

CO/PO ATTAINMENT 2022-23

DEPARTMENT OF BIOCHEMISTRY

DSC (1) Syllabus for B.Sc. Biochemistry (Basics and Honors)

I Semester

Course Code : 212169		
	Theory	Practical
Course Title:	DSC(1)-Chemical Foundations of Biochemistry-1	Volumetric analysis
Total Course credits (L:T:P)(4:0:2)	04	02
Total contact hours	56	56
Hours of teaching /week	04	04
Formative assessment marks	40	25
Semester End Assessment marks	60	25
Exam duration	2½Hrs	3Hrs

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
212169			
CO1	2.33	2.45	2.34
CO2	2.33	2.45	2.34
CO3	2.33	2.35	2.33
CO4	2.33	2.2	2.32
Average CO Attainment			2.33

Coures Code	Program Outcomes											
212169	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2.25	2.25	1	1.5	1	1	1	1	1.25	1	1	1
PO Attainment	1.75	1.75	0.78	1.17	0.78	0.78	0.78	0.78	0.97	0.78	0.78	0.78

II Semester

DSC (2) Syllabus for B.Sc. Biochemistry (Basics and Honors)

Course Code : 212269		
	Theory	Practical
Course Title:	DSC(2)-Chemical Foundations of Biochemistry-2	Qualitative & Quantitative analysis-2
Total Course credits:(L:T:P) (4:0:2)	04	02
Total contact hours	56	56
Hours of teaching/week	04	04
Formative assessment marks	40	25
Semester End Assessment marks	60	25
Exam duration	2 ½ Hrs	3Hrs

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
212269			
CO1	2.33	2.47	2.34
CO2	2.33	2.26	2.32
CO3	2.33	2.16	2.31
CO4	2.33	2.16	2.31
Average CO Attainment			2.32

Coures Code	Program Outcomes											
212269	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2.5	1.5	1.5	1	1	1.33	1	1	1	1	1	1
PO Attainment	1.93	1.16	1.16	0.77	0.77	1.03	0.77	0.77	0.77	0.77	0.77	0.77

Semester-III

DSC (3) Syllabus for B.Sc. Biochemistry (Basics and Honors)

Course Code :	222369	
Course Title:	DSC(3)- Bio-organic Chemistry	
	Theory	Practical
Total Course credits (L:T:P) (4:0:2)	04	02
Total contact hours	56	56
Hours of teaching/week	04	04
Formative assessment marks	40	25
Semester End Assessment marks	60	25
Exam duration	2 ½ Hrs	3Hrs

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
222369			
CO1	2.33	2.67	2.36
CO2	2.33	2.63	2.36
CO3	2.33	2.67	2.36
CO4	2.33	2.58	2.36
Average CO Attainment			2.36

Coures Code	Program Outcomes											
222369	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	1	1	2	1	1	1.25	1	1	1	1	1.5
PO Attainment	2.36	0.79	0.79	1.57	0.79	0.79	0.98	0.79	0.79	0.79	0.79	1.18

Semester- IV

DSC (4) Syllabus for B.Sc. Biochemistry (Basics and Honors)

Course Code :	222469	
Course Title:	DSC(4)- Analytical Biochemistry	
	Theory	Practical
Total Course credits (L:T:P) (4:0:2)	04	02
Total contact hours	56	56
Hours of teaching/week	04	04
Formative assessment marks	40	25
Semester End Assessment marks	60	25
Exam duration	2 ½ Hrs	3Hrs

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
222469			
CO1	2.33	2.58	2.36
CO2	2.33	2.75	2.37
CO3	2.33	2.54	2.35
CO4	2.33	2.75	2.37
Average CO Attainment			2.36

Coures Code	Program Outcomes											
222469	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	2	2	2	1	1	1.75	1.25	1.25	1	2	1
PO Attainment	2.36	1.57	1.57	1.57	0.79	0.79	1.38	0.98	0.98	0.79	1.57	0.79

DEPARTMENT OF BIOTECHNOLOGY

DSC (1) Syllabus for B.Sc. Biotechnology (Basic and Honors)

Semester 1

Course Code: 212159	Course Title: Cell Biology and Genetics (Theory) Cell Biology and Genetics (Practical)
Course Credits: 06 (4:0:2)	Hours of Teaching/Week: 8 hrs 04 (Theory) + 04 (Practical)
Total Contact Hours: 56 Hours (Theory) 56 Hours (Practical)	Formative Assessment Marks: 40 (Theory) 25 (Practical)
Exam Duration: 2.5 Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks: 60 (Theory) 25 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
212159			
CO1	2.325	1.24	2.2165
CO2	3	1.37	2.837
CO3	1.65	1.55	1.64
CO4	1.65	1.55	1.64
Average CO Attainment			2.08

Coures Code	Program Outcomes											
212159	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	2	1	1.66	3	2	2	2				2
PO Attainment	2.82	1.88	0.94	1.5604	2.8	1.9	2	1.9	0	0	0	1.9

DSC (2) Syllabus for B.Sc. Biotechnology (Basic and Honors)

Semester II

Course Code: 212259	Course Title: Microbiological Methods (Theory) Microbiological Methods (Practical)
Course Credits: 06 (4:0:2)	Hours of Teaching/Week: 8 hrs 04 (Theory) + 04 (Practical)
Total Contact Hours: 56 Hours (Theory) 56 Hours (Practical)	Formative Assessment Marks: 40 (Theory) 25 (Practical)
Exam Duration: 2.5 Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks: 60 (Theory) 25 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
212259			
CO1	2.325	1.34	2.2265
CO2	2.325	1.53	2.2455
CO3	1.65	1.5	1.635
CO4	2.33	1.45	2.242
Average CO Attainment			2.09

Coures Code	Program Outcomes											
212259	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	1	1.5	1	2	3		2		2		1.5
PO Attainment	2.82	0.94	1.41	0.94	1.9	2.8	0	1.9	0	1.9	0	1.41

OE (2) Biotechnology Syllabus for All Programs (Except Science)

Semester II

Course code: 21OEBIT201	Course Title: Applications of biotechnology in Agriculture
Course Credits: 03 (3:0:0)	Hours of Teaching/Week: 3 hrs 03 (Theory)
Total Contact Hours: 42 Hours (Theory)	Formative Assessment Marks: 40 (Theory)
Exam Duration: 2.5 Hours (Theory)	Semester End Examination Marks: 60 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21OEBIT201			
CO1	2.325	0.76	2.1685
CO2	2.325	0.61	2.1535
CO3	2.325	0.58	2.1505
Average CO Attainment			1.62

Coures Code	Program Outcomes											
21OEBIT201	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	1		1	2	2	3	2.6		2	1.6	2
PO Attainment	2.82	0.94	0	0.94	1.88	1.88	2.82	2.444	0	1.88	1.504	1.88

DSC (3) Syllabus for B.Sc. Biotechnology (Basic and Honors)

Semester III

Course Code: 222359	Course Title: Biomolecules (Theory) Biomolecules (Practical)
Course Credits: 06 (4:0:2)	Hours of Teaching/Week: 8 hrs 04 (Theory) + 04 (Practical)
Total Contact Hours: 56 Hours (Theory) 56 Hours (Practical)	Formative Assessment Marks: 40 (Theory) 25 (Practical)
Exam Duration: 2 Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks: 60 (Theory) 25 (Practical)

Course Code			
222359	Direct Attainment	Indirect Attainment	CO Attainment
CO1	1.65	2.39	1.724
CO2	1.65	2.53	1.738
CO3	2.325	2.66	2.3585
CO4	2.33	2.61	2.358
Average CO Attainment			2.04

Coures Code	Program Outcomes											
222359	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2.3	2	2	1.6	2	1.3		1.5	3	1.3	1	2
PO Attainment	2.162	1.88	1.88	1.5	1.88	1.22	0	1.41	2.82	1.2	0.94	1.88

OE (3) Biotechnology Syllabus for All Programs (Except Science)

Semester III

Course code: 22OEBIT301	Course Title: Nutrition and Health (Theory)
Course Credits: 03 (3:0:0)	Hours of Teaching/Week: 03 (Theory)
Total Contact Hours: 42 Hours (Theory)	Formative Assessment Marks: 40 (Theory)
Exam Duration: 2.5 Hours (Theory)	Semester End Examination Marks: 60 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22OEBIT301			
CO1	2.325	0.68	2.1605
CO2	2.325	0.84	2.1765
CO3	2.325	1.16	2.2085
Average CO Attainment			1.64

Coures Code	Program Outcomes											
22OEBIT301	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	2	2		2	2				2	2	1.6
PO Attainment	2.82	1.88	1.88	0	1.88	1.9	0	0	0	1.9	1.88	1.5

DSC (4) Syllabus for B.Sc. Biotechnology (Basic and Honors)

Semester IV

Course Code: 222459	Course Title: Molecular Biology (Theory) Molecular Biology (Practical)
Course Credits: 06 (4:0:2)	Hours of Teaching/Week: 8 hrs 04 (Theory) + 04 (Practical)
Total Contact Hours: 56 Hours (Theory) 56 Hours (Practical)	Formative Assessment Marks: 40 (Theory) 25 (Practical)
Exam Duration: 2 Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks: 60 (Theory) 25 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
222459			
CO1	2.325	2.5	2.3425
CO2	1.65	2.58	1.743
CO3	2.325	2.66	2.3585
CO4	1.65	2.55	1.74
Average CO Attainment			2.05

Coures Code	Program Outcomes											
222459	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	2	1	2	3	1.6		1		2		1.6
PO Attainment	2.82	1.88	0.94	1.88	2.8	1.5	0	0.94	0	1.88	0	1.504

DEPARTMENT OF COMPUTER SCIENCE

DSC(1) Syllabus for B.Sc. Computer Science (Basic and Honors)

Course Code: 212149

Course Title:

DSC(1) - Computer Fundamentals and Programming in C
(Theory)

DSC(1) Lab - C Programming Lab (Practical)

Course Credits (L:T:P): 06 (4:0:2)

Hours of Teaching/Week: 04 (Theory) + 04 (Practical)

Total Contact Hours: 56 Hours (Theory)
56 Hours (Practical)

Formative Assessment Marks: 40 (Theory)
25 (Practical)

Exam Duration: 2¹/₂ Hours (Theory)
3 Hours (Practical)

Semester End Examination Marks: 60 (Theory)
25 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
212149			
CO1	1.78	1.67	1.77
CO2	2.45	1.9	2.4
CO3	1.78	2	1.8
CO4	1.78	1.62	1.76
Average CO Attainment			1.93

Coures Code	Program Outcomes											
212149	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2	2	1.5	1	1.75	1	1	1	1.5	1.5	1	2
PO Attainment	1.29	1.29	0.97	0.64	1.13	0.64	0.64	0.64	0.97	0.97	0.64	1.29

OE(1) Computer Science Syllabus for All Programs (Except Science)

Semester I

Course Code: 21OECMS101

Course Title: OE(1) - Office Automation

Course Credits (L:T:P): 03 (3:0:0)

Hours of Teaching/Week: 3 Hours (Theory)

Total Contact Hours: 42 Hours (Theory)

Formative Assessment Marks: 40

Exam Duration: 2¹/₂ Hours

Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21OECMS101			
CO1	3	2.09	2.91
CO2	3	2	2.9
CO3	2.4	2.09	2.37
Average CO Attainment			2.73

Coures Code	Program Outcomes											
21OECMS101	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2	2	2		3	2	1	1.5	1	1.33	1	2
PO Attainment	1.82	1.82	1.82	0	2.73	1.82	0.91	1.37	0.91	1.21	0.91	1.82

Semester II

Course Code: 212249

Course Title:

DSC(2) – Data Structure using C (Theory)

DSC(2) Lab – Data Structure Lab (Practical)

Course Credits (L:T:P): 06 (4:0:2)

Hours of Teaching/Week: 04 (Theory) + 04 (Practical)

Total Contact Hours: 56 Hours (Theory)
56 Hours (Practical)

Formative Assessment Marks: 40 (Theory)
25 (Practical)

Exam Duration: 2¹ Hours (Theory)
2
3 Hours (Practical)

Semester End Examination Marks: 60 (Theory)
25 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
212249			
CO1	2.45	1.81	2.39
CO2	2.45	2.05	2.41
CO3	1.78	1.62	1.76
CO4	1.78	1.9	1.79
Average CO Attainment			2.09

Coures Code	Program Outcomes											
212249	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2	2.5	1.5	1	2	1.5	1	1	1.75	2	1	1.5
PO Attainment	1.39	1.74	1.05	0.7	1.39	1.05	0.7	0.7	1.22	1.39	0.7	1.05

OE (2) Computer Science Syllabus for All Programs (Except Science)

Semester II

Course Code: 21OECMS201	Course Title: OE (2) – Web Designing
Course Credits (L:T:P): 03 (3:0:0)	Hours of Teaching/Week: 3 Hours (Theory)
Total Contact Hours: 42 Hours (Theory)	Formative Assessment Marks: 40
Exam Duration: 2 ¹ Hours 2	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21OECMS201			
CO1	1.8	2.28	1.85
CO2	1.8	2.44	1.86
CO3	1.2	2.33	1.31
Average CO Attainment			1.67

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SKILL ENHANCEMENT COURSE (SEC) for All Programs

NOTE: This Course will be handled by the Department of Computer Science for BBA, BCom., BSc. (All Combinations) and BA (All Combinations).

Course Code: 21DFLF94

Course Title: SEC (1) - Digital Fluency

Course Credits (L:T:P): 02 (1:0:1)

Hours of Teaching/Week: 1 Hour (Theory)
2 Hours (Practical)

Total Contact Hours: 14 Hours (Theory)
28 Hours (Practical)

Formative Assessment Marks: 25

Exam Duration: 1 Hour (Theory)

Semester End Examination Marks: 25

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21DFLF94			
CO1	3	2.37	2.94
CO2	3	2.3	2.93
CO3	2.25	2.29	2.25
Average CO Attainment			2.71

Coures Code	Program Outcomes											
21DFLF94	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	1.66	1.66	2	1	1.66	2	1.33	1.66	1.66	1.33	1	2
PO Attainment	1.5	1.5	1.81	0.9	1.5	1.81	1.2	1.5	1.5	1.2	0.9	1.81

Course Code: 222349	Course Title: DSC(3) - Object Oriented Programming in Java (Theory) DSC(3) Lab - Java Programming Lab (Practical)
Course Credits (L:T:P): 06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) + 04 (Practical)
Total Contact Hours: 56 Hours (Theory) 56 Hours (Practical)	Formative Assessment Marks: 40 (Theory) 25 (Practical)
Exam Duration: 2 ¹ Hours (Theory) 2 3 Hours (Practical)	Semester End Examination Marks: 60 (Theory) 25 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
222349			
CO1	2.78	2.38	2.74
CO2	2.78	2.69	2.77
CO3	2.1	2.31	2.12
CO4	2.1	2.54	2.14
Average CO Attainment			2.44

Coures Code	Program Outcomes											
222349	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	1.5	2.25	1.75	1	3	1	1	1	1.25	1	1	1.75
PO Attainment	1.22	1.83	1.42	0.81	2.44	0.81	0.81	0.81	1.02	0.81	0.81	1.42

OE (3) Computer Science Syllabus for All Programs (Except Science)

Semester III

Course Code: 22OECMS301

Course Title: OE(3) - Python Programming Concept

Course Credits (L:T:P): 03 (3:0:0)

Hours of Teaching/Week: 03 Hour (Theory)

Total Contact Hours: 42 Hours (Theory)

Formative Assessment Marks: 40

Exam Duration: 2¹/₂ Hours

Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22OECMS301			
CO1	1.8	1.46	1.77
CO2	2.4	2.46	2.41
CO3	1.8	2.42	1.86
Average CO Attainment			2.01

Coures Code	Program Outcomes											
22OECMS301	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	1.66	1.33	1.66		1.33	1	1	1	1	1	1	2
PO Attainment	1.11	0.89	1.11	0	0.89	0.67	0.67	0.67	0.67	0.67	0.67	1.34

Course Code: 222449

Course Title:

DSC(4) - Database Management System (Theory)

DSC(4) Lab - DBMS Lab (Practical)

Course Credits (L:T:P): 06 (4:0:2)

Hours of Teaching/Week: 04 (Theory) + 04 (Practical)

Total Contact Hours: 56 Hours (Theory)
56 Hours (Practical)

Formative Assessment Marks: 40 (Theory)
25 (Practical)

Exam Duration: 2¹ Hours (Theory)
2
3 Hours (Practical)

Semester End Examination Marks: 60 (Theory)
25 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
222449			
CO1	3	2.35	2.94
CO2	3	2.18	2.92
CO3	2.33	2.35	2.33
CO4	2.33	2.18	2.32
Average CO Attainment			2.63

Coures Code	Program Outcomes											
222449	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2.25	2.25	1.75	1	1.5	1	1	1	1.25	1	1	2
PO Attainment	1.97	1.97	1.53	0.88	1.32	0.88	0.88	0.88	1.1	0.88	0.88	1.75

SKILL ENHANCEMENT COURSE (SEC) for All Programs

NOTE: This Course will be handled by the Department of Computer Science for BBA, BCom., BSc. (AllCombinations) and BA (All Combinations).

Course Code: 22AINS94	Course Title: SEC(2) - Artificial Intelligence
Course Credits (L:T:P): 02 (1:0:1)	Hours of Teaching/Week: 1 Hour (Theory) 2 Hours (Practical)
Total Contact Hours: 13 Hours (Theory) 26 Hours (Practical)	Formative Assessment Marks: 20
Exam Duration: 1 Hour (Theory)	Semester End Examination Marks: 30

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22AINS94			
CO1	1.6	2.4	1.68
CO2	1.6	2.34	1.67
Average CO Attainment			1.12

Coures Code	Program Outcomes											
222349	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	1.5	2.25	1.75	1	3	1	1	1	1.25	1	1	1.75
PO Attainment	1.31	1.96	1.52	0.87	2.61	0.87	0.87	0.87	1.09	0.87	0.87	1.52

DEPARTMENT OF MATHEMATICS

DSC(1) Syllabus for B.Sc. Mathematics (Basic and Honors) Semester I

Course Code: 212139	Course Title: DSC(1) : Algebra - I &Calculus – I DSC(1) Lab : Theory based Practical's on Algebra - I and Calculus – I
Course Credits: 06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) + 04 (Practical)
Total Contact Hours: 56 Hours(Theory)56 Hours (Practical)	Total Contact Hours: 56 Hours(Theory)56 Hours (Practical)
Exam Duration: 2 ½ Hours (Theory)3 Hours (Practical)	Semester End Examination Marks: 60 (Theory)25 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
212139			
CO1	1.23	2.36	1.34
CO2	1.9	2.55	1.97
CO3	1.9	2.45	1.96
CO4	1.23	2	1.31
Average CO Attainment			1.65

Coures Code	Program Outcomes											
212139	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO10	PO11	PO12
Weighted Average	2.75	2.75	2	1.25	2	2	1	1	1.33	1.25	1.5	1.25
PO Attainme nt	1.51	1.51	1.1	0.69	1.1	1.1	0.55	0.55	0.73	0.69	0.83	0.69

Semester I

Course Code: 21OEMAT103	Course Title: OE(1) Mathematical Aptitude - I
Course Credits: 03 (3:0:0)	Hours of Teaching/Week: 03 Hour (Theory)
Total Contact Hours: 42 Hours (Theory)	Formative Assessment Marks: 40
Exam Duration: 2 ½ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21OEMAT103			
CO1	2.4	2.3	2.39
CO2	2.4	2.3	2.39
CO3	1.8	2.4	1.86
Average CO Attainment			2.21

Coures Code	Program Outcomes											
21OEMAT103	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2	3	1	2	1	3	1	1	1	1	1	3
PO Attainment	1.47	2.21	0.74	1.47	0.74	2.21	0.74	0.74	0.74	0.74	0.74	2.21

Semester III

Course Code: 222339	Course Title: DSC(3) : Algebra–III and Differential Equations – I DSC(3) Lab :Theory based Practical's on Algebra–IIIand Differential Equations – I
Course Credits: 06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) + 04 (Practical)
Total Contact Hours: 56 Hours (Theory)56 Hours (Practical)	Formative Assessment Marks: 40 (Theory)25 (Practical)
Exam Duration: 2 ½ Hours(Theory)3 Hours (Practical)	Semester End Examination Marks: 60 (Theory)25(Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
222339			
CO1	2.45	2.29	2.43
CO2	1.78	2.07	1.81
CO3	2.45	2.14	2.42
CO4	1.78	2	1.8
Average CO Attainment			2.12

Coures Code	Program Outcomes											
222339	PO 1	PO 2	PO3	PO4	PO 5	PO6	PO7	PO 8	PO 9	PO1 0	PO1 1	PO 12
Weighted Average	3	2.25	1	1	1.5	1.5	1	1	1.5	1	1	2
PO Attainment	2.12	1.59	0.71	0.71	1.06	1.06	0.71	0.71	1.06	0.71	0.71	1.41

OE(3) Mathematics Syllabus for All Programs (Except Science)

Semester III

Course Code: 22OEMAT302	Course Title: OE(3) Mathematical Aptitude - III
Course Credits: 03 (3:0:0)	Hours of Teaching/Week: 03 Hour (Theory)
Total Contact Hours: 42 Hours (Theory)	Formative Assessment Marks: 40
Exam Duration: 2 ½ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22OEMAT302			
CO1	3	2.58	2.96
CO2	3	2.47	2.95
CO3	2.4	2.63	2.42
Average CO Attainment			2.78

Coures Code	Program Outcomes											
22OEMAT302	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
Weighted Average from Course Articulation Matrix	2	3	1	2	1	2	1	1	1	1	1	2.33
PO Attainment	1.85	2.78	0.93	1.85	0.93	1.85	0.93	0.93	0.93	0.93	0.93	2.16

Semester II

Course Code: 212239	Course Title: DSC(2): Algebra – II (Number Theory) and Calculus -II DSC(2) Lab : Theory based Practical's on Algebra – II(Number Theory) and Calculus – II
Course Credits: 06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) + 04 (Practical)
Total Contact Hours: 56Hours(Theory)56Hour (Practical)	Formative Assessment Marks: 40 (Theory)25 (Practical)
Exam Duration: 2 ½ Hours(Theory)3 Hours (Practical)	Semester End Examination Marks: 60 (Theory) 25 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
212239			
CO1	3	2.64	2.96
CO2	3	2.55	2.96
CO3	2.33	2.36	2.33
CO4	2.33	2.27	2.32
Average CO Attainment			2.64

Coures Code	Program Outcomes											
212239	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	2.75	1.25	1.25	1.25	1.33	1	1	1	1	1	1.5
PO Attainment	2.64	2.42	1.1	1.1	1.1	1.17	0.88	0.88	0.88	0.88	0.88	1.32

OE(2) Mathematics Syllabus for All Programs (Except Science)

Semester II

Course Code: 21OEMAT203	Course Title: OE(2) Mathematical Aptitude - II
Course Credits: 03 (3:0:0)	Hours of Teaching/Week: 03 Hour (Theory)
Total Contact Hours: 42 Hours (Theory)	Formative Assessment Marks: 40
Exam Duration: 2 ½ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21OEMAT203			
CO1	3	2.45	2.95
CO2	3	2.36	2.94
CO3	2.4	2.36	2.4
Average CO Attainment			2.76

Coures Code	Program Outcomes											
21OEMAT203	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	3	1	1	1	3	1	1.67	1	1	1	1.67
PO Attainment	2.76	2.76	0.92	0.92	0.92	2.76	0.92	1.54	0.92	0.92	0.92	1.54

DSC(4) Mathematics Syllabus for B.Sc. Mathematics (Basic and Honors)

Semester IV

Course Code: 222439	Course Title: DSC(4) : Real Analysis – I and Differential Equations – II DSC(4) Lab: Theory based Practical's on Real Analysis – I and Differential Equations – II
Course Credits: 06(4:0:2)	Hours of Teaching/Week: 04 (Theory) + 04 (Practical)
Total Contact Hours: 56Hours (Theory) 56 Hours (Practical)	Formative Assessment Marks: 40 (Theory)25 (Practical)
Exam Duration: 2 ½ Hours (Theory) 3 Hours(Practical)	Semester End Examination Marks: 60 (Theory)25 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
222439			
CO1	2.45	2.31	2.44
CO2	1.78	2.08	1.81
CO3	2.45	2.38	2.44
CO4	1.78	2.23	1.83
Average CO Attainment			2.13

Coures Code	Program Outcomes											
222439	PO 1	PO2	PO 3	PO 4	PO 5	PO6	PO 7	PO 8	PO 9	PO 10	PO1 1	PO 12
Weighted Average	1.5	2.25	1.75	1	3	1	1	1	1.25	1	1	1
PO Attainment	1.07	1.6	1.24	0.71	2.13	0.71	0.71	0.71	0.89	0.71	0.71	0.71

DEPARTMENT OF PHYSICS

DSC (1) Syllabus for B.Sc. Physics (Basic and Honors)

SEMESTER I

Course Code: 212129	Course Title: DSC(1)- Mechanics and Properties of Matter (Theory)DSC(1)-lab
Course Credits: 06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) + 04 (Practical)
Total Contact Hours: 56 Hours (Theory)56 Hours (Practical)	Formative Assessment Marks: 40 (Theory)25 (Practical)
Exam Duration: 2 ¹ Hours (Theory) 2 3 Hours (Practical)	Semester-End Examination Marks: 60 (Theory)25 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
212129			
CO1	1.68	2.29	1.74
CO2	1.68	2.57	1.77
CO3	1	2.43	1.14
CO4	1.23	2.29	1.34
Average CO Attainment			1.5

Coures Code	Program Outcomes											
212129	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	1.75	1	1	2	2	2	1	1.5	1.5	1	2
PO Attainment	1.5	0.88	0.5	0.5	1	1	1	0.5	0.75	0.75	0.5	1

SEMESTER I

Course Code: 21OEPHY101	Course Title: OE(1): Energy Sources
Course Credits: 03 (3:0:0) –	Hours of Teaching/Week: 03 Hour (Theory)
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Exam Duration: 2 Hours 2	Semester-End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21OEPHY101			
CO1	2.4	2.78	2.44
CO2	1.8	2.89	1.91
CO3	2.4	2.67	2.43
Average CO Attainment			2.26

Coures Code	Program Outcomes											
21OEPHY101	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	1.66	2	1	2	2	2	1	1.66	1	1	1
PO Attainment	2.26	1.25	1.51	0.75	1.51	1.51	1.51	0.75	1.25	0.75	0.75	0.75

SEMESTER II

Course Code: 212229	Course Title: DSC(2)- Electricity and Magnetism (Theory)DSC(2)-lab
Course Credits: 06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) + 04 (Practical)
Total Contact Hours: 56 Hours (Theory)56 Hours (Practical)	Formative Assessment Marks: 40 (Theory)25 (Practical)
Exam Duration: 2 ¹ Hours (Theory)3 Hours (Practical)	Semester-End Examination Marks: 60 (Theory)25 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
212229			
CO1	2.55	2.14	2.51
CO2	2.55	1.86	2.48
CO3	1.88	2	1.89
CO4	2.33	1.71	2.27
Average CO Attainment			2.29

Coures Code	Program Outcomes											
212229	PO1	PO2	PO3	PO 4	PO 5	PO 6	PO7	PO8	PO9	PO1 0	PO 11	P O1 2
Weighted Average	3	2	1	1	2	2	2	1	2	1.5	1	2
PO Attainment	2.29	1.53	0.76	0.7 6	1.5 3	1.5 3	1.53	0.76	1.53	1.15	0.76	1.5 3

Course Code: 212129	Course Title: DSC(1)- Mechanics and Properties of Matter (Theory)DSC(1)-lab
Course Credits: 06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) + 04 (Practical)
Total Contact Hours: 56 Hours (Theory)56 Hours (Practical)	Formative Assessment Marks: 40 (Theory)25 (Practical)
Exam Duration: 2 ¹ Hours (Theory) 2 3 Hours (Practical)	Semester-End Examination Marks: 60 (Theory) 25 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
0			
CO1	1.33	2.5	1.45
CO2	1.33	2.25	1.42
CO3	1.78	2.5	1.85
CO4	1.78	2.75	1.88
Average CO Attainment			1.65

Coures Code	Program Outcomes											
0	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	1.75	1	1	2	2	2	1	1.5	1.5	1	2
PO Attainment	1.65	0.96	0.55	0.55	1.1	1.1	1.1	0.55	0.83	0.83	0.55	1.1

Course Code: 212229	Course Title: DSC(2)- Electricity and Magnetism (Theory)DSC(2)-lab
Course Credits: 06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) + 04 (Practical)
Total Contact Hours: 56 Hours (Theory)56 Hours (Practical)	Formative Assessment Marks: 40 (Theory)25 (Practical)
Exam Duration: 2 ¹ Hours (Theory) 2 3 Hours (Practical)	Semester-End Examination Marks: 60 (Theory)25 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
212229			
CO1	2.55	2.14	2.51
CO2	2.55	1.86	2.48
CO3	1.88	2	1.89
CO4	2.33	1.71	2.27
Average CO Attainment			2.29

Coures Code	Program Outcomes											
212229	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	2	1	1	2	2	2	1	2	1.5	1	2
PO Attainment	2.29	1.53	0.76	0.76	1.53	1.53	1.53	0.76	1.53	1.15	0.76	1.53

SEMESTER III

Course Code: 222329	Course Title: DSC(3)-Wave motion and Optics (Theory)DSC(3)-lab
Course Credits: 06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) + 04 (Practical)
Total Contact Hours: 56 Hours (Theory)56 Hours (Practical)	Formative Assessment Marks: 40 (Theory)25 (Practical)
Exam Duration: $2\frac{1}{2}$ Hours (Theory) 3 Hours (Practical)	Semester-End Examination Marks: 60 (Theory)25 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
222329			
CO1	1.88	2.33	1.93
CO2	2.33	2.44	2.34
CO3	2.55	2.11	2.51
CO4	2.33	2.33	2.33
Average CO Attainment			2.28

Coures Code	Program Outcomes											
222329	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	2	1	1	2	2	2	1	1.5	1.5	1	2
PO Attainment	2.28	1.52	0.76	0.76	1.52	1.52	1.52	0.76	1.14	1.14	0.76	1.52

Course Code: 22OEPHY302	Course Title: OE(6): SportsScience
Course Credits: 03 (3:0:0)	Hours of Teaching/Week: 03 Hour (Theory)
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Exam Duration: 2 ₂ Hours	Semester-End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22OEPHY302			
CO1	2.2	2.67	2.25
CO2	2.8	2.87	2.81
CO3	2.4	2.87	2.45
Average CO Attainment			2.5

Coures Code	Program Outcomes											
22OEPHY302	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	1.66	1	1	2	3	2	1	2	1	1	2
PO Attainment	2.5	1.38	0.83	0.83	1.67	2.5	1.67	0.83	1.67	0.83	0.83	1.67

SEMESTER IV

Course Code: 222429	Course Title: DSC(4)-Thermal Physics and Electronics (Theory)DSC(4)-lab
Course Credits: 06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) + 04 (Practical)
Total Contact Hours: 56 Hours (Theory)56 Hours (Practical)	Formative Assessment Marks: 40 (Theory) 25 (Practical)
Exam Duration: 2 ¹ Hours (Theory)3 Hours (Practical)	Semester-End Examination Marks: 60 (Theory)25 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
222429			
CO1	1.88	2.33	1.93
CO2	2.33	2.44	2.34
CO3	2.55	2.11	2.51
CO4	2.33	2.33	2.33
Average CO Attainment			2.28

Coures Code	Program Outcomes											
212229	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	2	1	1	2	2	2	1	2	1.5	1	2
PO Attainment	2.36	1.57	0.79	0.79	1.57	1.57	1.57	0.79	1.57	1.18	0.79	1.57

DEPARTMENT OF MICROBIOLOGY

DSC (1) Syllabus for B.Sc. Microbiology (Basic and Honors)

Semester I

Course Code: 212179	Course Title: General Microbiology (Theory) General Microbiology Lab (Practical)
Course Credits (L:T:P) : 06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) + 04 (Practical)
Total Contact Hours: 56 Hours (Theory)56 Hours (Practical)	Formative Assessment Marks: 40 (Theory)25 (Practical)
Exam Duration: 2½ Hours (Theory)3 Hours (Practical)	Semester End Examination Marks: 60 (Theory)25 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
212179			
CO1	2.55	2.44	2.54
CO2	2.55	2.28	2.52
CO3	2.55	2.28	2.52
CO4	2.33	2.33	2.33
Average CO Attainment			2.48

Course Code	Program Outcomes											
212179	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	1.75	2	2	2		2	1.66			1		2
PO Attainment	1.45	1.65	1.65	1.65	0	1.65	1.37	0	0	0.83	0	1.65

OE (1) Microbiology Syllabus for All Programs (Except Science)

Semester I

Course Code: 21OEMIB101	Course Title: Microbial Technology for Human Welfare
Course Credits (L:T:P): 03 (3:0:0)	Hours of Teaching/Week: 3 Hours (Theory)
Total Contact Hours: 42 Hours (Theory)	Formative Assessment Marks: 40
Exam Duration: 2½ Hours (Theory)	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21OEMIB101			
CO1	2.4	2.45	2.41
CO2	3	2.45	2.95
CO3	2.4	2.55	2.41
Average CO Attainment			2.59

Course Code	Program Outcomes											
21OEMIB101	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2	1	1	1	1	2	2			1		1
PO Attainment	1.73	0.86	0.86	0.86	0.86	1.73	1.73	0	0	0.86	0	0.86

DSC (2) Syllabus for B.Sc. Microbiology (Basic and Honors)

Semester II

Course Code: 212279	Course Title: Microbial Biochemistry and Physiology (Theory) Microbial Biochemistry and Physiology (Practical)
Course Credits (L:T:P) : 06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) + 04 (Practical)
Total Contact Hours: 56Hours(Theory) 56 Hours(Practical)	Formative Assessment Marks: 40 (Theory) 25 (Practical)
Exam Duration: 2½ Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks: 60 (Theory) 25(Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
212279			
CO1	2.33	2.18	2.32
CO2	2.33	1.94	2.29
CO3	2.33	2.35	2.33
CO4	2.33	2.35	2.33
Average CO Attainment			2.32

Course Code	Program Outcomes											
212279	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2.5	1	1		2	1				2		2
PO Attainment	1.93	0.77	0.77	0	1.55	0.77	0	0	0	1.55	0	1.55

OE (2) Microbiology Syllabus for All Programs (Except Science)

Semester II

Course Code: 21OEMIB201	Course Title: Environmental and Sanitary Microbiology
Course Credits : 03 (3:0:0)	Hours of Teaching/Week: 3 Hours (Theory)
Total Contact Hours: 42 Hours (Theory)	Formative Assessment Marks: 40
Exam Duration: 2½ Hours (Theory)	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21OEMIB201			
CO1	2.4	2.42	2.4
CO2	3	2.58	2.96
CO3	2.4	2.25	2.39
Average CO Attainment			2.58

Course Code	Program Outcomes											
21OEMIB201	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2	1	1	1	1	2	2			1		1
PO Attainment	1.72	0.86	0.86	0.86	0.86	1.72	1.72	0	0	0.86	0	0.86

DSC (3) Syllabus for B.Sc. Microbiology (Basic and Honors)

Semester III

Course Code: 222379	Course Title: Microbial Diversity (Theory) Microbial Diversity Lab (Practical)
Course Credits (L:T:P) : 06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) + 04 (Practical)
Total Contact Hours: 56 Hours (Theory) 56 Hours (Practical)	Formative Assessment Marks: 40 (Theory) 25 (Practical)
Exam Duration: 2½ Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks: 60 (Theory) 25 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
222379			
CO1	2.78	2.41	2.74
CO2	2.33	2.41	2.34
CO3	2.78	2.47	2.75
CO4	2.78	2.62	2.76
Average CO Attainment			2.65

Course Code	Program Outcomes											
222379	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	1.75				2	1	1		3	2		1
PO Attainment	1.55	0	0	0	1.77	0.88	0.88	0	2.65	1.77	0	0.88

DSC (4) Syllabus for B.Sc. Microbiology (Basic and Honors)
Semester IV

Course Code: 222479	Course Title: Microbial Enzymology and Metabolism (Theory) Microbial Enzymology and Metabolism (Practical)
Course Credits (L:T:P): 06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) + 04(Practical)
Total Contact Hours: 56Hours(Theory)56 Hours(Practical)	Formative Assessment Marks: 40 (Theory)25 (Practical)
Exam Duration: 2½ Hours(Theory)3 Hours (Practical)	Semester End Examination Marks: 60 (Theory)25(Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
222479			
CO1	2.33	2.47	2.34
CO2	2.33	2.37	2.33
CO3	2.33	2.43	2.34
CO4	2.33	2.2	2.32
Average CO Attainment			2.33

Course Code	Program Outcomes											
222479	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	2	2	1						2		2
PO Attainment	2.33	1.55	1.55	0.78	0	0	0	0	0	1.55	0	1.55

DEPARTMENT OF COMPUTER APPLICATIONS

Semester 1

DSC (1) Syllabus for BCA Fundamentals of Computers (Basic and Honors)

Course Code: 215129	Course Title: Fundamentals of Computers(Theory) Information Technology Lab(Practical)
Course Credits: 05 (3:0:2)	Hours of Teaching/Week: 03(Theory) + 04(Practical)
Total Contact Hours: 42 Hours(Theory) 56(Practical)	Formative Assessment Marks: 40 (Theory)25 (Practical)
Exam Duration: 2 1/2 Hours(Theory)3 Hours(Practical)	Semester End Exam Marks: 60 (Theory)25 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
215129			
CO1	2.33	2.59	2.36
CO2	2.33	2.37	2.33
CO3	2.33	2.43	2.34
Average CO Attainment			1.76

Courses Code	Program Outcomes											
215231	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2	2	2.66	1	2	1.33	1	1.33	2.66	1	1.166	1.66
PO Attainment	1.17	1.17	1.56	0.59	1.17	0.78	0.59	0.78	1.56	0.59	0.68	0.97

DSC (2) Syllabus for BCA Programming in C (Basic and Honors)

Course Code: 215130	Course Title: Programming in C Programming Lab
Course Credits: 3:0:2	Hours of Teaching/Week: 03 Theory: 4 Lab
Total Contact Hours: 42 Theory 56 Lab	Formative Assessment Marks: 40 Theory 25 Practical
Exam Duration: 2 1/2 Hours 3 Hours	Semester End Exam Marks: 60 (Theory) 25 (Lab)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
215130			
CO1	2.45	2.36	2.44
CO2	2.45	2.38	2.44
CO3	1.78	2.32	1.83
Average CO Attainment			1.68

courses Code	Program Outcomes											
215130	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2.33	2	2.66	1.33	2.33	1.33	2.5	1.5	1.66	2	1	1
PO Attainment	1.3	1.12	1.49	0.74	1.3	0.74	1.4	0.84	0.93	1.12	0.56	0.56

DSC (3) Syllabus for BCA Mathematical Foundation (Basic and Honors)

Course Code: 215131	Course Title: Mathematical Foundation
Course Credits: 3:0:0	Hours of Teaching/Week: 03Theory
Total Contact Hours: 42 Theory	Formative Assessment Marks: 40 Theory
Exam Duration: 2 1/2 Hours	Semester End Exam Marks: 60 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
215131			
CO1	1.6	2.26	1.67
CO2	2.2	2.33	2.21
CO3	1.8	2.3	1.85
Average CO Attainment			1.91

[illegible]

Semester 2

DSC (4) Syllabus for BCA Data Structures using C (Basic and Honors)

Course Code: 215230	Course Title: Data Structures using C (Theory)Data Structures Lab(Practical)
Course Credits: 05 (3:0:2)	Hours of Teaching/Week: 03(Theory) + 04(Practical)
Total Contact Hours: 42 Hours(Theory) 56(Practical)	Formative Assessment Marks: 40 (Theory)25 (Practical)
Exam Duration: 2 1/2 Hours(Theory)3 Hours(Practical)	Semester End Exam Marks: 60 (Theory)25 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
215230			
CO1	2.33	2.18	2.32
CO2	2.33	2.15	2.31
CO3	2.33	2.03	2.3
Average CO Attainment			1.73

Course Code	Program Outcomes											
215230	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2	2	3	1.33	2	1.33	1	1	2.33	1	2.33	3
PO Attainment	1.15	1.15	1.73	0.77	1.15	0.77	0.58	0.58	1.34	0.58	1.34	1.73

DSC (5) Syllabus for BCA Object Oriented Concepts using JAVA

Course Code: 215231	Course Title: Object Oriented Concepts using JAVA (Theory)JAVA Lab(Practical)
Course Credits: 05 (3:0:2)	Hours of Teaching/Week: 03(Theory) + 04(Practical)
Total Contact Hours: 42 Hours(Theory) 56(Practical)	Formative Assessment Marks: 40 (Theory)25 (Practical)
Exam Duration: 2 1/2 Hours(Theory)3 Hours(Practical)	Semester End Exam Marks: 60 (Theory)25 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
215231			
CO1	2.33	2.57	2.35
CO2	2.33	2.53	2.35
CO3	2.33	2.49	2.35
Average CO Attainment			1.76

Course Code	Program Outcomes											
215231	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2	2	2.66	1	2	1.33	1	1.33	2.66	1	1.66	1.66
PO Attainment	1.17	1.17	1.56	0.59	1.17	0.78	0.59	0.78	1.56	0.59	0.97	0.97

DSC (3) Syllabus for BCA Discrete Mathematical Structures

Course Code: 215229	Course Title: Discrete Mathematical Structures
Course Credits: 3:0:0	Hours of Teaching/Week: 03 Theory
Total Contact Hours: 42 Theory	Formative Assessment Marks: 40 Theory
Exam Duration: 2 1/2 Hours	Semester End Exam Marks: 60 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
215229			
CO1	1.6	2.24	1.66
CO2	2.2	2.21	2.2
CO3	1.8	2.15	1.84
Average CO Attainment			1.9

Coures Code	Program Outcomes											
215229	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	2.3	2.3	2	1			1					1
PO Attainment	1.46	1.46	1.27	0.63	0	0	0.63	0	0	0	0	0.63

Semester 3

DSC (7) Syllabus for BCA Database Management System

Course Code: 225329	Course Title: Database Management System (Theory)Database Management System Lab(Practical)
Course Credits: 05 (3:0:2)	Hours of Teaching/Week: 03(Theory) + 04(Practical)
Total Contact Hours: 42 Hours(Theory) 56(Practical)	Formative Assessment Marks: 40 (Theory)25 (Practical)
Exam Duration: 2 1/2 Hours(Theory)3 Hours(Practical)	Semester End Exam Marks: 60 (Theory)25 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
225329			
CO1	2.33	2.7	2.37
CO2	2.33	2.55	2.35
CO3	2.33	2.59	2.36
Average CO Attainment			1.77

Course Code	Program Outcomes											
225329	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2	2	2	1	1.66	2	2	2	1.5	1	2	2
PO Attainment	1.18	1.18	1.18	0.59	0.98	1.18	1.18	1.18	0.89	0.59	1.18	1.18

DSC (8) Syllabus for BCA C# and .net Technologies (Basic and Honors)

Course Code: 225330	Course Title: C# and .net Technologies (Theory)C# and .net Technologies Lab (Practical)
Course Credits: 05 (3:0:2)	Hours of Teaching/Week: 03(Theory) + 04(Practical)
Total Contact Hours: 42 Hours(Theory) 56(Practical)	Formative Assessment Marks: 40 (Theory)25 (Practical)
Exam Duration: 2 1/2 Hours(Theory)3 Hours(Practical)	Semester End Exam Marks: 60 (Theory)25 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
225330			
CO1	2.33	2.73	2.37
CO2	2.33	2.61	2.36
CO3	2.33	2.64	2.36
Average CO Attainment			1.77

Course Code	Program Outcomes											
225330	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2	2	3	1	2	1.33	1	1	2.6	1.66	2.6	2
PO attainment	1.18	1.18	1.77	0.59	1.18	0.78	0.59	0.59	1.53	0.98	1.53	1.18

DSC (9) Syllabus for BCA Computer Networks (Basic and Honors)

Course Code: 225331	Course Title: Computer Networks
Course Credits: 3:0:0	Hours of Teaching/Week: 03Theory
Total Contact Hours: 42 Theory	Formative Assessment Marks: 40 Theory
Exam Duration: 2 1/2 Hours	Semester End Exam Marks: 60 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
225331			
CO1	1.6	2.47	1.69
CO2	1.8	2.37	1.86
CO3	1.8	2.48	1.87
Average CO Attainment			1.36

Course Code	Program Outcomes											
225331	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2.5	2	2	2	2.6	1.5	1	1	2	2.6	1.5	2.6
PO Attainment	1.13	0.91	0.91	0.91	1.18	0.68	0.45	0.45	0.91	1.18	0.68	1.18

Semester 4

DSC (10) Syllabus for BCA Python Programming (Basic and Honors)

Course Code: 225433	Course Title: Python Programming (Theory) Python Programming Lab(Practical)
Course Credits: 05 (3:0:2)	Hours of Teaching/Week: 03(Theory) + 04(Practical)
Total Contact Hours: 42 Hours(Theory) 56(Practical)	Formative Assessment Marks: 40 (Theory)25 (Practical)
Exam Duration: 2 1/2 Hours(Theory)3 Hours(Practical)	Semester End Exam Marks: 60 (Theory)25 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
225433			
CO1	2.33	2.56	2.35
CO2	2.33	2.68	2.37
CO3	2.33	2.49	2.35
Average CO Attainment			1.77

Cours e Code	Program Outcomes											
225433	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2	2	2	1	1.66	2	2	2	1.5	1	2	2
PO Attainment	1.18	1.18	1.18	0.59	0.98	1.18	1.18	1.18	0.89	0.59	1.18	1.18

DSC (11) Syllabus for BCA Multimedia Animation (Basic and Honors)

Course Code: 225434	Course Title: Multimedia Animation (Theory) Multimedia Animation Lab(Practical)
Course Credits: 05 (3:0:2)	Hours of Teaching/Week: 03(Theory) + 04(Practical)
Total Contact Hours: 42 Hours(Theory) 56(Practical)	Formative Assessment Marks: 40 (Theory)25 (Practical)
Exam Duration: 2 1/2 Hours(Theory) 3 Hours(Practical)	Semester End Exam Marks: 60 (Theory)25 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
225434			
CO1	2.33	2.7	2.37
CO2	2.33	2.55	2.35
CO3	2.33	2.59	2.36
Average CO Attainment			1.77

Course Code	Program Outcomes											
225434	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2.33	2	2	1.33	2.33	1.5	1	1	2	1.5	2	2
PO Attainment	1.37	1.18	1.18	0.78	1.37	0.89	0.59	0.59	1.18	0.89	1.18	1.18

DSC (12) Syllabus for BCA Operating System Concepts

Course Code: 225435	Course Title: Operating System Concepts
Course Credits: 3:0:0	Hours of Teaching/Week: 03 Theory
Total Contact Hours: 42 Theory	Formative Assessment Marks: 40 Theory
Exam Duration: 2 1/2 Hours	Semester End Exam Marks: 60 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
225435			
CO1	2.4	2.47	2.41
CO2	2.4	2.49	2.41
CO3	2.4	2.56	2.42
Average CO Attainment			1.81

Course Code	Program Outcomes											
225435	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2	1.66	2	1.66	1.66	1	1	1	1.33	1.33	1.66	2
PO Attainment	1.21	1	1.21	1	1	0.6	0.6	0.6	0.8	0.8	1	1.21

DEPARTMENT OF BUSINESS ADMINISTRATION

I SEMESTER

Course Code: 214130	Course Title: Fundamentals of Business Accounting
Course Credit (L:T:P): 4(4:0:0)	Teaching Hours/Week: 4
Total Contact Hours:56	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
214030			
CO1	3	2.24	2.92
CO2	3	2.32	2.93
CO3	3	2.27	2.93
CO4	2.4	2.3	2.39
CO5	2.4	2.22	2.38
Average CO Attainment			2.71

Coures Code	Program Outcomes											
214030	PO1	PO 2	PO 3	PO 4	PO 5	PO6	PO 7	PO 8	PO9	PO 10	PO 11	PO 12
Weighted Average	3	2	1.75	0	2	1	0	0	1	1	1	1
PO Attainment	2.71	1.81	1.58	0	1.81	0.9	0	0	0.9	0.9	0.9	0.9

Course Code: 214129	Course Title: Management Principles & Practice
Course Credit (L:T:P): 4(4:0:0)	Teaching Hours/Week:4
Total Contact Hours:56 Hrs	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
214129			
CO1	3	2.42	2.94
CO2	3	2.52	2.95
CO3	2.4	2.32	2.39
CO4	2.4	2.23	2.38
CO5	2.4	2.26	2.39
CO6	2.4	2.35	2.4
Average CO Attainment			2.58

Coures Code	Program Outcomes											
214129	PO1	PO 2	PO 3	PO 4	PO5	PO6	PO 7	PO 8	PO9	PO 10	PO 11	PO 12
Weighted Average	2.16	1.83	1.6	1.5	1.5	1	2	1.66	1.5	2	1	1.5
PO Attainment	1.86	1.57	1.38	1.29	1.29	0.86	1.72	1.43	1.29	1.72	0.86	1.29

Course Code: 214131	Course Title: Marketing Management
Course Credit (L:T:P): 4(4:0:0)	Teaching Hours/Week:4
Total Contact Hours:56	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
214131			
CO1	2.8	2.57	2.78
CO2	2.8	2.57	2.78
CO3	2.4	2.43	2.4
CO4	2.4	2.3	2.39
CO5	2.4	2.4	2.4
Average CO Attainment			2.55

Courses Code	Program Outcomes											
214131	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2.2	1.8	2.2	1.75	1.8	1.8	1.4	1.6	2	2.2	1.4	2
PO Attainment	1.87	1.53	1.87	1.49	1.53	1.53	1.19	1.36	1.7	1.87	1.19	1.7

Course Code: 21OEBBA101	Course Title: Business Organisation
Course Credit (L:T:P): 3(3:0:0)	Teaching Hours/Week:3
Total Contact Hours:45	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21OEBBA101			
CO1	1.8	2.76	1.9
CO2	1.8	2.79	1.9
CO3	1.2	2.76	1.36
CO4	1.2	2.57	1.34
CO5	1.2	2.64	1.34
Average CO Attainment			1.57

Coures Code	Program Outcomes											
21OEBBA101	PO 1	PO 2	PO 3	PO 4	PO 5	PO6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
Weighted Average	2					1		1	1		1	1
PO Attainment	1.05	0	0	0	0	0.52	0	0.52	0.52	0	0.52	0.52

II SEMESTER

Course Code: 214229	Course Title: Financial Accounting and Reporting
Course Credit (L:T:P):4 (4:0:0)	Teaching Hours/Week:4
Total Contact Hours:56	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
214229			
CO1	2.8	2.37	2.76
CO2	2.8	2.37	2.76
CO3	2.4	2.32	2.39
CO4	2.4	2.39	2.4
CO5	2.4	2.24	2.38
Average CO Attainment			2.54

Coures Code	Program Outcomes											
214229	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2.6	2.4	2.2	1.6	2.4	1.2	1.5	1.8	1.8	2.2	2	2
PO Attainment	2.2	2.03	1.86	1.35	2.03	1.02	1.27	1.52	1.52	1.86	1.69	1.69

Course Code: 214230	Course Title: Human Resource Management
Course Credit (L:T:P): 4(4:0:0)	Teaching Hours/Week:4
Total Contact Hours:56	Formative Assessment Marks: 40
Duration of Exam: 2 ½Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
214230			
CO1	3	2.41	2.94
CO2	3	2.46	2.95
CO3	2.4	2.32	2.39
CO4	2.4	2.41	2.4
CO5	2.4	2.19	2.38
Average CO Attainment			2.61

Coures Code	Program Outcomes											
214230	PO 1	PO2	PO 3	PO 4	PO5	PO 6	PO 7	PO8	PO 9	PO 10	PO1 1	PO 12
Weighted Average	2.2	1.8	2.2	1.75	1.8	1.8	1.4	1.6	2	2.2	1.4	2
PO Attainment	1.91	1.57	1.91	1.52	1.57	1.57	1.22	1.39	1.74	1.91	1.22	1.74

Course Code: 214232	Course Title: Business Mathematics
Course Credit (L:T:P): 4(4:0:0)	Teaching Hours/Week:4
Total Contact Hours:56	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
214231			
CO1	3	2.76	2.98
CO2	3	2.63	2.96
CO3	2.4	2.63	2.42
CO4	2.4	2.56	2.42
CO5	2.4	2.61	2.42
Average CO Attainment			2.64

Coures Code	Program Outcomes											
214231	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2.2	1.6	1.6	1.6	1	1		1	1.3	1	1.2	1.4
PO Attainment	1.94	1.41	1.41	1.41	0.88	0.88	0	0.88	1.14	0.88	1.06	1.23

Course Code: 21OEBBA202	Course Title: Retail Management
Course Credit (L:T:P): 3(3:0:0)	Teaching Hours/Week:3
Total Contact Hours:45	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Cours e Code	Direct Attainme nt	Indirect Attainam ent	CO Attainme nt
21OEBBA201			
CO1	1.8	2.22	1.84
CO2	1.8	2.15	1.84
CO3	1.2	2.24	1.3
CO4	1.2	2.03	1.28
CO5	1.2	2.22	1.3
Average CO Attainment			1.51

Coures Code	Program Outcomes											
21OEBB A201	P O 1	PO2	PO 3	PO 4	PO5	PO6	PO 7	PO8	PO9	PO 10	PO1 1	PO 12
Weighted Average	1.2	2.4	1.6		1		1.4	1.2	1	2	1.6	1.4
PO Attaina ment	0.6	1.21	0.8 1	0	0.5	0	0.7	0.6	0.5	1.0 1	0.81	0.7

III- SEMESTER

Course Code: 224329	Course Title: Cost Accounting
Course Credit (L:T:P): 4(4:0:0)	Teaching Hours/Week:4
Total Contact Hours:56	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
224329			
CO1	2.2	2.47	2.23
CO2	2.2	2.4	2.22
CO3	1.8	2.36	1.86
CO4	1.8	2.49	1.87
CO5	1.8	2.36	1.86
Average CO Attainment			2.01

Coures Code	Program Outcomes											
224329	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2.2	1.8	1.6	1	1	1	1	1	1.2	1	1	1
PO Attainment	1.47	1.21	1.07	0.67	0.67	0.67	0.67	0.67	0.8	0.67	0.67	0.67

Course Code: 224330	Course Title: Organisational Behaviour
Course Credit (L:T:P): 4 (4:0:0)	Teaching Hours/Week:4
Total Contact Hours:56	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
23450			
CO1	2.4	2.27	2.39
CO2	2.8	2.45	2.77
CO3	2.8	2.38	2.76
CO4	2.4	2.36	2.4
CO5	2.4	2.31	2.39
Average CO Attainment			2.54

Coures Code	Program Outcomes											
23450	PO 1	PO 2	PO3	PO 4	PO5	PO 6	PO 7	PO 8	PO 9	PO 10	PO1 1	PO 12
Weighted Average	2.2	1.6	1.4	1.4	1.4	1.8	1	1.8	2	2	1.8	2
PO Attainment	1.86	1.35	1.19	1.19	1.19	1.52	0.85	1.52	1.69	1.69	1.52	1.69

Course Code: 224331	Course Title: Statistics for Business Decisions
Course Credit (L:T:P): 4(4:0:0)	Teaching Hours/Week:4
Total Contact Hours:56	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
224331			
CO1	1.8	1.94	1.81
CO2	1.8	1.97	1.82
CO3	1.2	2.06	1.29
CO4	1.2	2.08	1.29
CO5	1.2	2.16	1.3
Average CO Attainment			1.5

Coures Code	Program Outcomes											
224331	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO7	PO 8	PO 9	PO 10	PO 11	PO 12
Weighted Average	2	1.75	2	1.5	1.33	1			1	2	1	1
PO Attainment	1	0.88	1	0.75	0.67	0.5	0	0	0.5	1	0.5	0.5

Course Code: 22OEBBA302	Course Title: Rural Marketing
Course Credit (L:T:P): 3(3:0:0)	Teaching Hours/Week:3
Total Contact Hours:45	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
220OEBBA302			
CO1	1.8	2.23	1.84
CO2	1.8	2.27	1.85
CO3	1.2	2.5	1.33
CO4	1.2	2	1.28
CO5	1.2	2.09	1.29
Average CO Attainment			1.52

Coures Code	Program Outcomes											
220OEB BA302	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO7	PO 8	PO 9	PO 10	PO11	PO 12
Weighted Average	1	1	1	1	1	1	1		1	1	1	1
PO Attainment	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0	0.51	0.51	0.51	0.51

IV-SEMESTER

Course Code: 224429	Course Title: Management Accounting
Course Credit (L:T:P): 4(4:0:0)	Teaching Hours/Week:4
Total Contact Hours:56	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
0			
CO1	2.8	2.36	2.76
CO2	2.8	2.32	2.75
CO3	2.4	2.34	2.39
CO4	2.4	2.32	2.39
CO5	2.4	2.36	2.4
Average CO Attainment			2.54

Coures Code	Program Outcomes											
0	PO 1	PO 2	PO3	PO 4	PO 5	PO 6	PO7	PO 8	PO 9	PO 10	PO11	PO 12
Weighted Average	3	1.8	1.8	0	0	1	0	0	0	1	1	1
PO Attainment	2.54	1.52	1.52	0	0	0.85	0	0	0	0.85	0.85	0.85

Course Code: 224432	Course Title: Financial Management
Course Credit (L:T:P): 4(4:0:0)	Teaching Hours/Week:4
Total Contact Hours:56	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
224432			
CO1	2.8	2.39	2.76
CO2	2.8	2.47	2.77
CO3	2.4	2.32	2.39
CO4	2.4	2.44	2.4
CO5	2.4	2.33	2.39
Average CO Attainment			2.54

Coures Code	Program Outcomes											
224432	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2.8	2.2	2.2	2	2	1	1	1.8	1.8	1.8	2.4	2
PO Attainment	2.37	1.86	1.86	1.69	1.69	0.85	0.85	1.52	1.52	1.52	2.03	1.69

Course Code: 224431	Course Title: Financial Markets & Services
Course Credit (L:T:P): 4(4:0:0)	Teaching Hours/Week:4
Total Contact Hours:56	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
0			
CO1	2.6	2.38	2.58
CO2	2.4	2.36	2.4
CO3	2.4	2.4	2.4
CO4	2.6	2.41	2.58
CO5	2.4	2.48	2.41
Average CO Attainment			2.47

Coures Code	Program Outcomes											
0	PO1	PO 2	PO3	PO 4	PO 5	PO 6	PO7	PO 8	PO 9	PO 10	PO1 1	PO 12
Weighted Average	2.6	2.2	1.8	1.8	2	1.75		1	1.6	1.6	1.6	1.6
PO Attainment	2.14	1.81	1.48	1.48	1.65	1.44	0	0.82	1.32	1.32	1.32	1.32

DEPARTMENT OF COMMERCE

I SEMESTER

DSC 1

Course Code: 213129	Course Title: FINANCIAL ACCOUNTING – I
Course Credits: 4 .(L:T:P): 4:0:0	Teaching Hours/Week: 04 Hours
Total Contact Hours: 64 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
213129			
CO1	1.8	2.38	2.51
CO2	1.8	2.51	1.87
CO3	1.2	2.38	1.32
CO4	1.2	2.37	1.32
Average CO Attainment			1.76

Coures Code	Program Outcomes											
213129	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2	2	2	1	2	2	2	1	1.5	2	1	1
PO Attainment	1.17	1.17	1.17	0.59	1.17	1.17	1.17	0.59	0.88	1.17	0.59	0.59

I SEMESTER

DSC 2

Course Code: 213130	Course Title: Management Principles and Applications
Course Credits: 4. (L:T:P): 4:0:0	Teaching Hours/Week: 04 Hours
Total Contact Hours: 64 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
213130			
CO1	1.8	2.38	2.51
CO2	1.8	2.51	1.87
CO3	1.2	2.38	1.32
CO4	1.2	2.37	1.32
Average CO Attainment			1.76

Coures Code	Program Outcomes											
213130	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2	1	1.5	1	1.3	1.3	1.25	1.25	1.3	1.5	1	1.25
PO Attainment	1.17	0.59	0.88	0.59	0.76	0.76	0.73	0.73	0.76	0.88	0.59	0.73

DSC 3

Course Code: 213131	Course Title: Principles of Marketing
Course Credits: 4. (L:T:P): 4:0:0	Teaching Hours/Week: 04 Hours
Total Contact Hours: 64 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
213131			
CO1	1.8	2.38	2.51
CO2	1.8	2.51	1.87
CO3	1.2	2.38	1.32
CO4	1.2	2.37	1.32
Average CO Attainment			1.76

Coures Code	Program Outcomes											
213131	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	1.75	1.75	1.5	2	1.5	2	1	1.25	1.25	2.25	1	1
PO Attainment	1.03	1.03	0.88	1.17	0.88	1.17	0.59	0.73	0.73	1.32	0.59	0.59

OPEN ELECTIVE 1

Course Code: 21OECOM101	Course Title: Basics of Accounting
Course Credits: 3. (L:T:P): 3:0:0	Teaching Hours/Week: 03 Hours
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21OECOM101			
CO1	2.4	2.44	2.4
CO2	2.4	2.38	2.4
CO3	1.8	2.44	1.86
CO4	1.8	2.31	1.85
Average CO Attainment			2.13

[illegible]

II SEMESTER

DSC 4

Course Code: 213229	Course Title: FINANCIAL ACCOUNTING – II
Course Credits: 4. (L:T:P): 4:0:0	Teaching Hours/Week: 04 Hours
Total Contact Hours: 64 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
213229			
CO1	3	2.41	2.94
CO2	3	2.46	2.95
CO3	2.4	2.44	2.4
CO4	2.4	2.51	2.41
Average CO Attainment			2.68

Coures Code	Program Outcomes											
213229	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2	1.25	1	1	1	1	1.3	1.5	1	1.5	1	1
PO Attainment	1.79	1.12	0.89	0.89	0.89	0.89	1.16	1.34	0.89	1.34	0.89	0.89

DSC 5

Course Code: 213230	Course Title: Company Law
Course Credits: 4. (L:T:P): 4:0:0	Teaching Hours/Week: 04 Hours
Total Contact Hours: 64 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
213230			
CO1	3	2.41	2.94
CO2	3	2.46	2.95
CO3	2.4	2.44	2.4
CO4	2.4	2.51	2.41
Average CO Attainment			2.68

Coures Code	Program Outcomes											
213230	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2	1.5	1	1	1	1	1	1.75	1.5	1.25	1	1
PO Attainment	1.79	1.34	0.89	0.89	0.89	0.89	0.89	1.56	1.34	1.12	0.89	0.89

DSC-6

Course Code: 213231	Course Title: Law and Practice of Banking
Course Credits: 4. (L:T:P): 4:0:0	Teaching Hours/Week: 04 Hours
Total Contact Hours: 64 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
213231			
CO1	3	2.41	2.94
CO2	3	2.46	2.95
CO3	2.4	2.44	2.4
CO4	2.4	2.51	2.41
Average CO Attainment			2.68

Coures Code	Program Outcomes											
213231	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2	1.5	1.5	1	1.3	1.25	1	1	1	1.5	1	1
PO Attainment	1.79	1.34	1.34	0.89	1.16	1.12	0.89	0.89	0.89	1.34	0.89	0.89

III SEMESTER

DSC 7

Course Code: 223329	Course Title: Corporate Accounting
Course Credits: 4 (L:T:P): 4:0:0	Teaching Hours/Week: 04 Hours
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
223329			
CO1	1.8	2.38	2.51
CO2	1.8	2.51	1.87
CO3	1.2	2.38	1.32
CO4	1.2	2.37	1.32
Average CO Attainment			1.76

[illegible]

DSC-8

Course Code: 223330	Course Title: Business Statistics
Course Credits: 4 (L:T:P): 4:0:0	Teaching Hours/Week: 04 Hours
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
223330			
CO1	1.8	2.38	2.51
CO2	1.8	2.51	1.87
CO3	1.2	2.38	1.32
CO4	1.2	2.37	1.32
Average CO Attainment			1.76

Coures Code	Program Outcomes											
223330	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2	1.5	1.5	1	1	1	1	1	1.5	1.25	1.25	1.3
PO Attainment	1.17	0.88	0.88	0.59	0.59	0.59	0.59	0.59	0.88	0.73	0.73	0.76

DSC 9

Course Code: 223331	Course Title: Cost Accounting
Course Credits: 4 (L:T:P): 4:0:0	Teaching Hours/Week: 04 Hours
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
223331			
CO1	1.8	2.38	2.51
CO2	1.8	2.51	1.87
CO3	1.2	2.38	1.32
CO4	1.2	2.37	1.32
Average CO Attainment			1.76

Coures Code	Program Outcomes											
223331	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	1.75	1	1	1	1.25	1.5	1.5	1.25	1	1.25	1.25	1.25
PO Attainment	1.03	0.59	0.59	0.59	0.73	0.88	0.88	0.73	0.59	0.73	0.73	0.73

OE 3

Course Code: 22OECOM301	Course Title: Advertising Skills
Course Credits: 3 (L:T:P): 3:0:0	Teaching Hours/Week: 03 Hours
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22OECOM301			
CO1	1.8	2.38	2.51
CO2	1.8	2.51	1.87
CO3	1.2	2.38	1.32
CO4	1.2	2.37	1.32
Average CO Attainment			1.76

Coures Code	Program Outcomes											
22OECOM301	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2	1.25	1.25	1.6	1	1	1	1.25	1	1.75	1	1
PO Attainment	1.17	0.73	0.73	0.94	0.59	0.59	0.59	0.73	0.59	1.03	0.59	0.59

DSC 10

Course Code: 223429	Course Title: Advanced Corporate Accounting
Course Credits: 4 (L:T:P): 4:0:0	Teaching Hours/Week: 04 Hours
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
223429			
CO1	1.8	2.38	2.51
CO2	1.8	2.51	1.87
CO3	1.2	2.38	1.32
CO4	1.2	2.37	1.32
Average CO Attainment			1.76

Coures Code	Program Outcomes											
223429	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2	1.25	1	1.25	1	1	1	1.25	1	1	1	1
PO Attainment	1.17	0.73	0.59	0.73	0.59	0.59	0.59	0.73	0.59	0.59	0.59	0.59

IV SEMESTER

DSC 11

Course Code: 223430	Course Title: Costing Methods and Techniques
Course Credits: 4 (L:T:P): 4:0:0	Teaching Hours/Week: 04 Hours
Total Contact Hours: 56Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
223430			
CO1	1.8	2.38	2.51
CO2	1.8	2.51	1.87
CO3	1.2	2.38	1.32
CO4	1.2	2.37	1.32
Average CO Attainment			1.76

[illegible]

DSC 12

Course Code: 223431	Course Title: Business Regulatory Framework
Course Credits: 4 (L:T:P): 4:0:0	Teaching Hours/Week: 04 Hours
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
223431			
CO1	1.8	2.38	2.51
CO2	1.8	2.51	1.87
CO3	1.2	2.38	1.32
CO4	1.2	2.37	1.32
Average CO Attainment			1.76

Coures Code	Program Outcomes											
223431	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2	1.75	1	1.5	1	1	1	1.75	1	1.75	1	1
PO Attainment	1.17	1.03	0.59	0.88	0.59	0.59	0.59	1.03	0.59	1.03	0.59	0.59

SEC

Course Code: 22FEIS94	Course Title: Financial education and investment awareness
Course Credits: 2 .(L:T:P): 1:0:1	Teaching Hours/Week: 15 Hours of Theory & 30 Hours of Practical
Total Contact Hours: 45 Hours	Formative Assessment Marks: 20
Exam Duration: 1 1/2 Hours	Semester End Examination Marks: 30

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22FEIS94			
CO1	1.8	2.38	2.51
CO2	1.8	2.51	1.87
CO3	1.2	2.38	1.32
Average CO Attainment			1.43

Coures Code	Program Outcomes											
22FEIS94	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2	1.3	1	1	1.5	1	1	1	1.3	1.5	1	1.6
PO Attainment	0.95	0.62	0.48	0.48	0.72	0.48	0.48	0.48	0.62	0.72	0.48	0.76

DEPARTMENT OF CRIMINOLOGY AND FORENSIC SCIENCE

Semester I

DSC (1)

Course Code: 211172	Course Title: DSC (1) Fundaments of Criminology (Theory) DSC (1) Lab-Fundaments of Criminology
Course Credits : 06 (4:0:2)	Hours of Teaching/ Week: 04 (Theory) 04(Practical)
Total Contact Hours: 56 Hours (Theory) 56 Hours (Practical)	Formative Assessment Mark : 40 (Theory) 25(Practical)
Exam Duration: 2 ½ Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks: 60 (Theory) 25 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
211172			
CO1	3	2.79	2.98
CO2	3	2.79	2.98
CO3	2.4	2.64	2.42
CO4	0	2.79	0.28
Average CO Attainment			1.68

Coures Code	Program Outcomes											
211172	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2
Weighted Average	1.75	2.25	1.75	2.33	1.5	1.5	1.5	1.5	2	2.25	1.75	1.75
PO Attainame nt	0.9 8	1.2 6	0.9 8	1.3	0.8 4	0.8 4	0.8 4	0.8 4	1.1 2	1.26	0.98	0.98

OE (1)

Course Code: 21OECRI102	Course Title : OE(1)Elements of Forensic science (Theory)
Course Credits : 03 (3:0:0)	Hours of Teaching/ Week : 03 (Theory)
Total Contact Hours : 42 Hours (Theory)	Formative Assessment Mark : 40 (Theory)
Exam Duration : 2 ½ Hours (Theory)	Semester End Examination Marks : 60 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21OECRI102			
CO1	3	2.38	2.94
CO2	3	2.63	2.96
CO3	2.4	2.29	2.39
CO4	0	0	0
Average CO Attainment			1.66

Coures Code	Program Outcomes											
21OECRI102	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO10	PO11	PO12
Weighted Average	2.3	2.3	2.3	3	3	2	1.6	1	2.3	1.3	2.3	2
PO Attainment	1.27	1.27	1.27	1.66	1.66	1.11	0.89	0.55	1.27	0.72	1.27	1.11

Semester II:

DSC (2)

Course Code: 211272	Course Title: DSC (2) Criminalistics (Theory) DSC (2) Lab -Criminalistics
Course Credits : 06 (4:0:2)	Hours of Teaching/ Week: 04 (Theory) 04 (Practical)
Total Contact Hours: 56 Hours (Theory) 56 Hours (Practical)	Formative Assessment Mark: 40(Theory) 25(Practical)
Exam Duration: 2 ½ Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks: 60 (Theory) 25 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
211272			
CO1	3	2.73	2.97
CO2	3	2.73	2.97
CO3	2.4	2.73	2.43
CO4	0	2.82	0.28
Average CO Attainment			1.67

Coures Code	Program Outcomes											
211272	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2.25	2.5	2.5	3	4	2.5	2	2	2.25	2	2.5	2.75
PO Attainment	1.25	1.39	1.39	1.67	2.23	1.39	1.11	1.11	1.25	1.11	1.39	1.53

OE (2)
Semester II:

Course Code: 21OECRI202	Course Title: OE (2) Fingerprint Science (Theory)
Course Credits : 03 (3:0:0)	Hours of Teaching/ Week: 03(Theory)
Total Contact Hours: 42 Hours (Theory)	Formative Assessment Mark : 40 (Theory)
Exam Duration: 2 ½ Hours (Theory)	Semester End Examination Marks: 60 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21OECRI202			
CO1	3	2.59	2.96
CO2	3	2.64	2.96
CO3	2.4	2.73	2.43
CO4	0	0	0
Average CO Attainment			1.67

Coures Code	Program Outcomes											
21OECRI202	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	2.6	3	2.6	3	2	1.3	2.3	3	2	2.6	3
PO Attainamen t	1.67	1.45	1.67	1.45	1.67	1.11	0.72	1.28	1.67	1.11	1.45	1.67

DSC (3)

Course Code: 221373	Course Title: DSC (3) Law of Prints and Impression (TheoryDSC (3) Lab -Law of Prints and Impression
Course Credits : 06 (4:0:2)	Hours of Teaching/ Week: 04 (Theory) 04 (Practical)
Total Contact Hours: 56 Hours (Theory) 56 Hours (Practical)	Formative Assessment Mark : 40 (Theory) 25(Practical)
Exam Duration: 2 ½ Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks: 60 (Theory) 25 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
221373			
CO1	3	2.74	2.97
CO2	3	2.68	2.97
CO3	2.4	2.74	2.43
CO4	0	2.74	0.27
Average CO Attainment			1.67

Coures Code	Program Outcomes											
221373	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	2.5	2.5	3	3	1.75	1.5	2	3	1.75	1.75	2.25
PO Attainment	1.67	1.39	1.39	1.67	1.67	0.97	0.84	1.11	1.67	0.97	0.97	1.25

OE (3) Syllabus for All Programs (Except B A)

Course Code: 22OECRI302	Course Title: OE 3: Crime Scene Investigation (Theory)
Course Credits : 03 (3:0:0)	Hours of Teaching/ Week: 3(Theory)
Total Contact Hours: 42 Hours (Theory)	Formative Assessment Mark: 40 (Theory)
Exam Duration: 2 ½ Hours (Theory)	Semester End Examination Marks: 60 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22OECRI302			
CO1	3	3	3
CO2	3	2.86	2.99
CO3	2.4	2.86	2.45
CO4	0	0	0
Average CO Attainment			1.69

Coures Code	Program Outcomes											
22OECRI302	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2.6	3	2.6	3	3	2	1.6	2	3	1.6	3	2.6
PO Attainment	1.46	1.69	1.46	1.69	1.69	1.13	0.9	1.13	1.69	0.9	1.69	1.46

DSC (4) Syllabus for B.A Criminology and Forensic Science (Basic and Honors)

Course Code: 221472	Course Title: DSC (4): Correctional Administration (Theory) DSC (4): Lab -Correctional Administration
Course Credits : 06 (4:0:2)	Hours of Teaching/ Week: 04 (Theory) 04 (Practical)
Total Contact Hours: 56 Hours (Theory) 56 Hours (Practical)	Formative Assessment Mark: 40 (Theory) 25 (Practical)
Exam Duration: 2 ½ Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks: 60 (Theory) 25 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
221472			
CO1	3	2.33	2.93
CO2	3	2.44	2.94
CO3	2.4	2.33	2.39
CO4	0	2.28	0.23
Average CO Attainment			1.65

Course Code	Program Outcomes											
221472	PO 1	PO 2	PO 3	PO 4	PO5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO12
Weighted Average	3	2.5	2.75	2.75	2.75	3	1.75	2.25	2.75	2.25	1.75	2.5
PO Attainme nt	1.65	1.3 8	1.51	1.51	1.51	1.65	0.96	1.2 4	1.51	1.24	0.96	1.38

DEPARTMENT OF ECONOMICS

Course Outcomes of Various Courses (NEP) and Attainment Semester – 1

Course Code: 211137	Course Title: DSC 1: Basic Economics – I
Course Credit (L:T:P): 3 (3:0:0)	Teaching Hours/Week: 3 Hours
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Duration of Exam: $2\frac{1}{2}$ Hours	Summative Assessment Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
211137			
CO1	1.4	2.5	1.51
CO2	1.8	2.54	1.87
CO3	1.8	2.64	1.88
Average CO Attainment			1.75

Course Code	Program Outcomes											
211137	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2.3	1.6	1.3	1.3	1.6	2	1.6	1	1	1	1	2
PO Attainment	1.34	0.93	0.76	0.76	0.93	1.17	0.93	0.58	0.58	0.58	0.58	1.17

Course Code: 211138	Course Title: DSC 2: Contemporary Indian Economy
Course Credit (L:T:P): 3 (3:0:0)	Teaching Hours/Week: 3 Hours
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Duration of Exam: 2 ¹ / ₂ Hours	Summative Assessment Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
211138			
CO1	1.2	2.61	1.34
CO2	1.2	2.73	1.35
CO3	1.2	2.73	1.35
Average CO Attainment			1.35

Course Code	Program Outcomes											
211138	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	1.6	2	2	2.6	1.6	1.5	2	1.3	1	1	1	1.3
PO Attainment	0.72	0.9	0.9	1.17	0.72	0.68	0.9	0.59	0.45	0.45	0.45	0.59

Course Code: 21OEECO102	Course Title: OE1 : Pre-Reforms Indian Economy
Course Credit (L:T:P): 3 (3:0:0)	Teaching Hours/Week: 3 Hours
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Duration of Exam: 2 ¹ / ₂ Hours	Summative Assessment Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21OEECO102			
CO1	2.4	2.68	2.43
CO2	2.4	2.55	2.42
CO3	1.8	2.55	1.88
Average CO Attainment			2.24

Course Code	Program Outcomes											
21OEECO102	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	1.6	1.6	2	2	1.6	1.5	2	1.3	1	1	1	1.3
PO Attainment	1.19	1.19	1.49	1.49	1.19	1.12	1.49	0.97	0.75	0.75	0.75	0.97

Semester – II

Course Code: 211237	Course Title: DSC 3: Basic Economics - II
Course Credit (L:T:P): 3 (3:0:0)	Teaching Hours/Week: 3 Hours
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Duration of Exam: $2\frac{1}{2}$ Hours	Summative Assessment Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
211237			
CO1	1.2	2.71	1.35
CO2	1.2	2.71	1.35
CO3	1.2	2.52	1.33
Average CO Attainment			1.34

Course Code	Program Outcomes											
211237	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2	1.6	1.6	1.6	1.3	1	1.3	1	1.3	1	1	1
PO Attainment	0.89	0.71	0.71	0.71	0.58	0.45	0.58	0.45	0.58	0.45	0.45	0.45

Course Code: 211238	Course Title: DSC 4: Karnataka Economy
Course Credit (L:T:P): 3 (3:0:0)	Teaching Hours/Week: 3 Hours
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Duration of Exam: $2\frac{1}{2}$ Hours	Summative Assessment Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
211238			
CO1	1.2	2.74	1.35
CO2	2.2	2.41	2.22
CO3	1.8	2.59	1.88
Average CO Attainment			1.82

Cours e Code	Program Outcomes											
211238	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	1.6	2	2	2	1.6	1.3	1.6	1.3	1	1	1	1
PO Attainment	0.97	1.21	1.21	1.21	0.97	0.79	0.97	0.79	0.61	0.61	0.61	0.61

Course Code: 21OEEOCO201	Course Title: OE2: Contemporary Indian Economy
Course Credit (L:T:P): 3 (3:0:0)	Teaching Hours/Week: 3 Hours
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Duration of Exam: $2\frac{1}{2}$ Hours	Summative Assessment Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21OEEOCO201			
CO1	1.8	2.48	1.87
CO2	1.8	2.42	1.86
CO3	1.8	2.45	1.87
Average CO Attainment			1.87

Coures Code	Program Outcomes											
21OEEOCO201	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	1.6	2	2	2.6	1.6	1.5	2	1.3	1	1	1	1.3
PO Attainment	1	1.25	1.25	1.62	1	0.94	1.25	0.81	0.62	0.62	0.62	0.81

III Semester

Course Code: 221337	Course Title: DSC 5: Micro Economics
Course Credit (L:T:P): 3 (3:0:0)	Teaching Hours/Week: 3 Hours
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Duration of Exam: $2\frac{1}{2}$ Hours	Summative Assessment Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
221337			
CO1	1.2	2.86	1.37
CO2	1.2	2.61	1.34
CO3	1.2	2.54	1.33
Average CO Attainment			1.35

Course Code	Program Outcomes											
221337	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2.3	2	1.6	1.6	1.3	2	2	1	1	1	1.6	1
PO Attainment	1.04	0.9	0.72	0.72	0.59	0.9	0.9	0.45	0.45	0.45	0.72	0.45

Course Code: 221338	Course Title: DSC 6: Mathematics for Economics
Course Credit (L:T:P): 3 (3:0:0)	Teaching Hours/Week: 3 Hours
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Duration of Exam: $2\frac{1}{2}$ Hours	Summative Assessment Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
221338			
CO1	2.4	2.79	2.44
CO2	2.4	2.86	2.45
CO3	2.4	2.69	2.43
Average CO Attainment			2.44

Cours e Code	Program Outcomes											
221338	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2	2.3	2	1	2	1	1	1	1.3	1	1.3	1
PO Attainment	1.63	1.87	1.63	0.81	1.63	0.81	0.81	0.81	1.06	0.81	1.06	0.81

Course Code: 22OEECO301	Course Title: OE 3: Rural Economics
Course Credit (L:T:P): 3 (3:0:0)	Teaching Hours/Week: 3 Hours
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Duration of Exam: 2 ¹ / ₂ Hours	Summative Assessment Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22OEECO301			
CO1	2.4	2.4	2.4
CO2	2.4	2.57	2.42
CO3	2.4	2.37	2.4
Average CO Attainment			2.41

Course Code	Program Outcomes											
22OEECO301	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2.6	2	2	1.6	1.6	2.6	2.3	2	2	1	1.5	1
PO Attainment	2.09	1.61	1.61	1.29	1.29	2.09	1.85	1.61	1.61	0.8	1.21	0.8

IV SEMESTER

Course Code: 221437	Course Title: DSC:7:Macro Economics
Course Credit (L:T:P): 3 (3:0:0)	Teaching Hours/Week: 3 Hours
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Duration of Exam: 2 ¹ Hours	Summative Assessment Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
221437			
CO1	2.4	2.65	2.43
CO2	2.4	2.73	2.43
CO3	2.4	2.69	2.43
Average CO Attainment			2.43

Course Code	Program Outcomes											
221437	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	1.6	1.5	1.5	2	2	1	1	1	1	1.3	1
PO Attainment	2.43	1.3	1.22	1.22	1.62	1.62	0.81	0.81	0.81	0.81	1.05	0.81

Course Code: 221438	Course Title: DSC:8: Statistics for Economics
Course Credit (L:T:P): 3 (3:0:0)	Teaching Hours/Week: 3 Hours
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Duration of Exam: $2\frac{1}{2}$ Hours	Summative Assessment Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
221438			
CO1	1.6	2.7	1.71
CO2	1.8	2.64	1.88
CO3	1.8	2.64	1.88
Average CO Attainment			1.82

Course Code	Program Outcomes											
221438	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2	2.3	2.3	2.3	1.6	1	1	1	1.3	1	1	1
PO Attainment	1.21	1.4	1.4	1.4	0.97	0.61	0.61	0.61	0.79	0.61	0.61	0.61

DEPARTMENT OF GEOGRAPHY

I SEMESTER

DSC-1

Course Code: 211144	Course Title: Principles of Geomorphology (Theory) Geomorphology (Practical)
Course Credits: (L:T:P): 06 (4:0:2)	Teaching Hours/Week: 04 Hours Theory + 04 Hours Practical
Total Contact Hours: 56 Hours Theory + 56 Hours Practical	Formative Assessment Marks: 40 Theory + 25 Practical
Exam Duration: 2 1/2 Hours (Theory) + 03 Hours Practical	Semester End Examination Marks: 60 Theory + 25 Practical

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
211144			
CO1	3	2.44	2.94
CO2	3	2.36	2.94
CO3	2.33	2.64	2.36
CO4	2.33	2.44	2.34
Average CO Attainment			2.65

Coures Code	Program Outcomes											
211144	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2	1.75	1	2	1	1	2	0	1	1	0	1.75
PO Attainment	1.77	1.55	0.88	1.77	0.88	0.88	1.77	0	0.88	0.88	0	1.55

**I SEMESTER
OPEN ELECTIVE-1**

Course Code: 21OEGEO101	Course Title: Introduction to Physical Geography
Course Credits: 03 (L:T:P): (3:0:0)	Teaching Hours/Week: 03 Hours
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21OEGEO101			
CO1	2.5	2.35	2.49
CO2	2.5	2.4	2.49
CO3	1.5	2.28	1.58
CO4	1.5	2.55	1.61
Average CO Attainment			2.04

Coures Code	Program Outcomes											
21OEGEO101	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3.66	2.33	1.33	1.25	1.66	2	3	2.33	1.5	1.25	2	3
PO Attainment	2.49	1.58	0.9	0.85	1.13	1.36	2.04	1.58	1.02	0.85	1.36	2.04

**II SEMESTER
DSC-2**

Course Code: 211244	Course Title: Introduction to Climatology (Theory) Climatology(Practical)
Course Credits: (L:T:P): 06 (4:0:2)	Teaching Hours/Week: 04 Hours Theory + 04 Hours Practical
Total Contact Hours: 56 Hours Theory + 56 Hours Practical	Formative Assessment Marks: 40 Theory + 25 Practical
Exam Duration: 2 1/2 Hours (Theory) + 03 Hours Practical	Semester End Examination Marks: 60 Theory + 25 Practical

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
211244			
CO1	3	1.52	2.85
CO2	3	1.3	2.83
CO3	2.33	1.45	2.24
CO4	2.33	1.48	2.25
Average CO Attainment			2.54

Coures Code	Program Outcomes											
211244	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2.25	2	1	1	1.25	2	2.75	1	1	1	0	2
PO Attainment	1.91	1.69	0.85	0.85	1.06	1.69	2.33	0.85	0.85	0.85	0	1.69

**II SEMESTER
OPEN ELECTIVE-2**

Course Code: 21OEGEO201	Course Title: Introduction to Human Geography
Course Credits: 03 (L:T:P): (3:0:0)	Teaching Hours/Week: 03 Hours
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21OEGEO201			
CO1	2.5	1.43	2.39
CO2	2.5	1.58	2.41
CO3	1.5	1.53	1.5
CO4	1.5	1.45	1.5
Average CO Attainment			1.95

Coures Code	Program Outcomes											
21OEGEO201	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2.25	1.75	1.25	1	1	1.75	2	1.5	1	1	1.33	2.5
PO Attainment	1.46	1.14	0.81	0.65	0.65	1.14	1.3	0.98	0.65	0.65	0.86	1.63

III SEMESTER

DSC-3

Course Code: 221344	Course Title: Fundamentals of Human Geography (Theory) Fundamental Techniques in Human Geography (Practical)
Course Credits: (L:T:P): 06 (4:0:2)	Teaching Hours/Week: 04 Hours Theory + 04 Hours Practical
Total Contact Hours: 56 Hours Theory + 56 Hours Practical	Formative Assessment Marks: 40 Theory + 25 Practical
Exam Duration: 2 1/2 Hours (Theory) + 03 Hours Practical	Semester End Examination Marks: 60 Theory + 25 Practical

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
221344			
CO1	2.78	1.52	2.77
CO2	2.78	1.3	2.77
CO3	2.33	1.45	2.37
CO4	2.33	1.48	2.36
Average CO Attainment			2.57

Coures Code	Program Outcomes											
221344	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2	2	1.25	1	0	1.75	2	1	1	0	0	2
PO Attainment	1.71	1.71	1.07	0.86	0	1.5	1.71	0.86	0.86	0	0	1.71

**III SEMESTER
OPEN ELECTIVE-3**

Course Code: 22OEGEO301	Course Title: Geography of India
Course Credits: 03 (L:T:P): (3:0:0)	Teaching Hours/Week: 03 Hours
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22OEGEO301			
CO1	2.5	2.64	2.51
CO2	2.5	2.46	2.5
CO3	1.5	2.32	1.58
CO4	1.5	2.46	1.6
Average CO Attainment			2.05

Coures Code	Program Outcomes											
22OEGEO301	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2.5	2	1.25	1.25	1.5	2	3	1	1	1	1	3
PO Attainment	1.71	1.37	0.85	0.85	1.03	1.37	2.05	0.68	0.68	0.68	0.68	2.05

**IV SEMESTER
DSC-4**

Course Code: 221444	Course Title: India- Resources and Sustainability (Theory) Representation of Indian Geographical features and Resources (Practical)
Course Credits: (L:T:P): 06 (4:0:2)	Teaching Hours/Week: 04 Hours Theory + 04 Hours Practical
Total Contact Hours: 56 Hours Theory + 56 Hours Practical	Formative Assessment Marks: 40 Theory + 25 Practical
Exam Duration: 2 1/2 Hours (Theory) + 03 Hours Practical	Semester End Examination Marks: 60 Theory + 25 Practical

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
221444			
CO1	2.78	2.63	2.77
CO2	2.78	2.75	2.78
CO3	2.33	2.63	2.36
CO4	2.33	2.63	2.36
Average CO Attainment			2.57

Coures Code	Program Outcomes											
221444	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2.5	2	1.66	1.33	1.5	2.25	2.5	1.25	1	1	1.5	2.5
PO Attainment	2.14	1.71	1.42	1.14	1.29	1.93	2.14	1.07	0.86	0.86	1.29	2.14

DEPARTMENT OF HISTORY

Semester-1

DSC-1 Course Code : 211129

Course Title: Introduction to Ancient World Civilizations	
Total Contact Hours: 39 to 42	Course Credits: 3
Formative Assessment Marks: 40	Duration of ESA/Exam: 60
Syllabus Authors: BOS (UG)	Summative Assessment Marks: 100

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
211129			
CO1	2.2	2.47	2.23
CO2	2.2	2.34	2.21
CO3	2.4	2.5	2.41
Average CO Attainment			2.28

Coures Code	Program Outcomes											
211129	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	1	1	1	1	2	1	2	2.66	1	1	2
PO Attainment	2.28	0.76	0.76	0.76	0.76	1.52	0.76	1.52	2.02	0.76	0.76	1.52

DSC-2-Course Code : 211130

Course Title: History of Ancient India (From Earliest Times to 1206 CE)	
Total Contact Hours: 39 to 42	Course Credits: 3
Formative Assessment Marks: 40	Duration of ESA/Exam: 60
Syllabus Authors: BOS (UG)	Summative Assessment Marks: 100

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
0			
CO1	2.2	2.38	2.22
CO2	2.2	2.44	2.22
CO3	2.4	2.34	2.39
Average CO Attainment			2.28

Coures Code	Program Outcomes											
0	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	1	1	1	1	2	1	2	1.33	1	1.5	2
PO Attainment	2.28	0.76	0.76	0.76	0.76	1.52	0.76	1.52	1.01	0.76	1.14	1.52

Open Elective (OE)

Course Code: 21OEHIS101

Course Title: Cultural Heritage of India	
Total Contact Hours: 39 to 42	Course Credits: 3
Formative Assessment Marks: 40	Duration of ESA/Exam: 60
Syllabus Authors: BOS (UG)	Summative Assessment Marks: 100

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21OEHIS101			
CO1	2	2.8	2.08
CO2	2	2.6	2.06
CO3	2.4	2.6	2.42
Average CO Attainment			2.19

Coures Code	Program Outcomes											
21OEHIS101	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2.66	1	1	1	1	2	1	2.33	1.33	1	1	2
PO Attainment	1.94	0.73	0.73	0.73	0.73	1.46	0.73	1.7	0.97	0.73	0.73	1.46

Semester-II

DSC-3-Course Code : 211229

Course Title : Introduction to Medieval World Civilization	
Total Contact Hours: 39 to 42	Course Credits: 3
Formative Assessment Marks: 40	Duration of ESA/Exam: 60
Syllabus Authors: BOS (UG)	Summative Assessment Marks: 100

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
211229			
CO1	0	2.42	0.24
CO2	0	2.39	0.24
CO3	0	2.45	0.25
Average CO Attainment			0.24

Coures Code	Program Outcomes											
211229	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2	1.5	1.33	1.33	1.33	2	1	2	1	1	1	2
PO Attainment	0.16	0.12	0.11	0.11	0.11	0.16	0.08	0.16	0.08	0.08	0.08	0.16

Semester-2

DSC-4-Course Code : 211230

Course Title : History of Medieval India (1206-1761)	
Total Contact Hours: 39 to 42	Course Credits: 3
Formative Assessment Marks: 40	Duration of ESA/Exam: 60
Syllabus Authors: BOS (UG)	Summative Assessment Marks: 100

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
211230			
CO1	2.2	2.52	2.23
CO2	2.2	2.35	2.22
CO3	2.4	2.42	2.4
Average CO Attainment			2.28

Coures Code	Program Outcomes											
211230	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	1	1.5	1	1.5	2.66	1	3	1	1	1	2
PO Attainment	2.28	0.76	1.14	0.76	1.14	2.02	0.76	2.28	0.76	0.76	0.76	1.52

Semester II

Open Elective (OE)

Course Code: 21OEHIS201

Course Title : Cultural Heritage of Karnataka	
Total Contact Hours: 39 to 42	Course Credits: 3
Formative Assessment Marks: 40	Duration of ESA/Exam: 60
Syllabus Authors: BOS (UG)	Summative Assessment Marks: 100

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
0			
CO1	2.2	2.68	2.25
CO2	2.2	2.43	2.22
CO3	2.2	2.68	2.25
Average CO Attainment			2.24

Coures Code	Program Outcomes											
0	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2.66					2.66	1	2.66	1	1		2
PO Attainment	1.99	0	0	0	0	1.99	0.75	1.99	0.75	0.75	0	1.49

DSC-5 Rise of Modern West (1600-1871)-

Course Code: 221329

Course Title: Rise of Modern West (1600-1871)	
Total Contact Hours: 39 to 42	Course Credits: 3
Formative Assessment Marks: 40	Duration of ESA/Exam: 60
Syllabus Authors: BOS (UG)	Summative Assessment Marks: 100

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
211329			
CO1	2.2	2.41	2.22
CO2	2.2	2.38	2.22
CO3	2.4	2.76	2.44
Average CO Attainment			2.29

Coures Code	Program Outcomes											
211329	PO1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2
Weighted Average	3	1	2	1	2	3	1	3	3	1	1	2.33
PO Attainame nt	2.29	0.76	1.53	0.76	1.53	2.29	0.76	2.29	2.29	0.76	0.76	1.78

DSC-6 History of Modern India 1757-1947

(Course Code: 221330)

Course Title: History of Modern India 1757-1947	
Total Contact Hours: 39 to 42	Course Credits: 3
Formative Assessment Marks: 40	Duration of ESA/Exam: 60
Syllabus Authors: BOS (UG)	Summative Assessment Marks: 100

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
221330			
CO1	3	2.49	2.95
CO2	3	2.43	2.94
CO3	3	2.43	2.94
CO4	0	0	0
Average CO Attainment			1.77

Coures Code	Program Outcomes											
221330	PO1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2
Weighted Average	3	1	2	1	2	3	1	3	3	1	1	2.33
PO Attainam ent	1.77	0.59	1.18	0.59	1.18	1.77	0.59	1.77	1.77	0.59	0.59	1.37

Semester III

Open Elective (OE)

Course Code:22OEHis301

Course Title: Freedom Struggle in India (1857-1947)	
Total Contact Hours: 39 to 42	Course Credits: 3
Formative Assessment Marks: 40	Duration of ESA/Exam: 60
Syllabus Authors: BOS (UG)	Summative Assessment Marks: 100

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
0			
CO1	2.4	2.63	2.42
CO2	3	2.48	2.95
CO3	2.4	2.37	2.4
Average CO Attainment			2.59

Coures Code	Program Outcomes											
0	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2
Weighted Average	2.66	2	1.66	1	2	1	1	2.66	2.33	1.66	1	2
PO Attainame nt	2.3	1.73	1.43	0.86	1.73	0.86	0.86	2.3	2.01	1.43	0.86	1.73

DSC-7

Course Code: 221429

Course Title: History of Karnataka (From Earliest times to 10th Century CE)	
Total Contact Hours: 39 to 42	Course Credits: 3
Formative Assessment Marks: 40	Duration of ESA/Exam: 60
Syllabus Authors: BOS (UG)	Summative Assessment Marks: 100

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
221429			
CO1	2.2	2.55	2.24
CO2	2.2	2.84	2.26
CO3	2.4	2.74	2.43
Average CO Attainment			2.31

Coures Code	Program Outcomes											
221429	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2
Weighted Average	3	1	1	1	1	2.33	1	1.66	2	1.33	1	2
PO Attainame nt	2.31	0.77	0.77	0.77	0.77	1.79	0.77	1.28	1.54	1.02	0.77	1.54

DSC-8

Course Code: 221430

Course Title: History of Modern Europe (1871-1945)	
Total Contact Hours: 39 to 42	Course Credits: 3
Formative Assessment Marks: 40	Duration of ESA/Exam: 60
Syllabus Authors: BOS (UG)	Summative Assessment Marks: 100

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
221430			
CO1	0	2.68	0.27
CO2	0	2.65	0.27
CO3	0	2.58	0.26
Average CO Attainment			0.27

Coures Code	Program Outcomes											
221430	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2.33	1	1	1	1	1.33	1	2	2	1	1	2
PO Attainment	0.21	0.09	0.09	0.09	0.09	0.12	0.09	0.18	0.18	0.09	0.09	0.18

DEPARTMENT OF JOURNALISM AND MASS COMMUNICATION

Semester I

Course Code: 211158

Course Title:
DSC (1) Introduction to Journalism
DSC (1) Introduction to Journalism Practical

Course Credits: 6 (4:0:2)

Hours of Teaching/Week: 04 (Theory) + 4 (Practical)

**Total Contact Hours: 56 Hours (Theory)
56 Hours (Practical)**

**Formative Assessment Marks: 40 (Theory)
25 (Practical)**

**Exam Duration: 2½ Hours (Theory)
3 Hours (Practical)**

**Semester End Examination Marks: 60 (Theory)
25 (Practical)**

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
211158			
CO1	3	2.75	2.98
CO2	3	2.63	2.96
CO3	3	2.63	2.96
CO4	0	2.75	0.28
Average CO Attainment			1.78

Coures Code	Program Outcomes											
211158	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	1	3	1	1	1	2	1	3	1	3	0	2
PO Attainment	0.59	1.78	0.59	0.59	0.59	1.19	0.59	1.78	0.59	1.78	0	1.19

Semester II

Course Code: 211258

Course Title:

DSC (2) Computer Applications for Media

DSC (2) Computer Applications for Media Practical

Course Credits: 6 (4:0:2)

**Total Contact Hours: 56 Hours (Theory)
56 Hours (Practical)**

Hours of Teaching/Week: 04 (Theory) + 4 (Practical)

**Formative Assessment Marks: 40 (Theory)
25 (Practical)**

**Exam Duration: 2½ Hours (Theory)
3 Hours (Practical)**

**Semester End Examination Marks: 60 (Theory)
25 (Practical)**

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
0			
CO1	3	2.78	2.98
CO2	3	2.67	2.97
CO3	3	2.56	2.96
CO4	0	2.78	0.28
Average CO Attainment			1.78

Coures Code	Program Outcomes											
0	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2	1	1	1	1	1	1	2	2	3	0	12
PO Attainment	1.19	0.59	0.59	0.59	0.59	0.59	0.59	1.19	1.19	1.78	0	7.12

Semester III

Course Code: 221358

Course Title:
DSC (3) News Reporting and Analysis
DSC (3) News Reporting and Analysis Practical

Course Credits: 6 (4:0:2)

Hours of Teaching/Week: 04 (Theory) + 4 (Practical)

Total Contact Hours: 56 Hours (Theory)
56 Hours (Practical)

Formative Assessment Marks: 40 (Theory)
25 (Practical)

Exam Duration: 2½ Hours (Theory)
3 Hours (Practical)

Semester End Examination Marks: 60 (Theory)
25 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
221358			
CO1	3	2.29	2.93
CO2	3	2.5	2.95
CO3	3	2.36	2.94
CO4	0	2.36	0.24
Average CO Attainment			1.76

Course Code	Program Outcomes											
221358	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	1	1	1	1	2	1	2	2	3	1	2
PO Attainment	1.76	0.59	0.59	0.59	0.59	1.17	0.59	1.17	1.17	1.76	0.59	1.17

Semester IV

Course Code: 221458

Course Title:
DSC (4) News Processing & Editing
DSC (4) News Processing & Editing Practical

Course Credits: 6 (4:0:2)

Hours of Teaching/Week: 04 (Theory) + 4 (Practical)

Total Contact Hours: 56 Hours (Theory)
56 Hours (Practical)

Formative Assessment Marks: 40 (Theory)
25 (Practical)

Exam Duration: 2½ Hours (Theory)
3 Hours (Practical)

Semester End Examination Marks: 60 (Theory)
25 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
221458			
CO1	3	2.25	2.93
CO2	3	2.33	2.93
CO3	3	2.5	2.95
CO4	0	2.25	0.23
Average CO Attainment			1.76

Coures Code	Program Outcomes											
221458	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	2	2	2	2	2	1	2	2	3	1	2
PO Attainment	1.76	1.17	1.17	1.17	1.17	1.17	0.59	1.17	1.17	1.76	0.59	1.17

DEPARTMENT OF PSYCHOLOGY

Semester I

DSC (1) Syllabus for B.A PSYCHOLOGY (Basic and Honors)

Course Code: 211165

Course Title:

DSC(1)- Foundations of Psychology - I (Theory)

DSC(1) Lab-Psychology (Practical)

Course Credits: 06 (4:0:2)

Hours of Teaching/Week: 04 (Theory) + 04 (Practical)

**Total Contact Hours: 56 Hours (Theory)
56 Hours (Practical)**

**Formative Assessment Marks: 40 (Theory)
25 (Practical)**

**Exam Duration: 2:30 Hours (Theory)
3 Hours (Practical)**

**Semester End Examination Marks: 60 (Theory)
25 (Practical)**

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
211165			
CO1	3	2.81	2.98
CO2	3	2.63	2.96
CO3	2.4	2.5	2.41
CO4	2.4	2.81	2.44
CO5	2.4	2.56	2.42
Average CO Attainment			1.67

Coures Code	Program Outcomes											
211165	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	2.4	1.2	2.6	3	2.6	0	1.3	1.5	3	0	1.4
PO Attainment	1.67	1.34	0.67	1.45	1.67	1.45	0	0.72	0.84	1.67	0	0.78

OE (1) Syllabus of Psychology

Course Code: 21OEPSY101	Course Title O.E (1): Psychology of Health & Wellbeing
Course Credits: 03 (3:0:0)	Hours of Teaching/Week: 03 Hour (Theory)
Total Contact Hours: 42 Hours (Theory)	Formative Assessment Marks: 40
Exam Duration: 2:30 Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21OEPSY101			
CO1	3	2.36	2.94
CO2	3	2.21	2.92
CO3	2.4	2.29	2.39
CO4	2.4	2.36	2.4
Average CO Attainment			2.66

Coures Code	Program Outcomes											
21OEPSY101	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	2.2	1	0	1	2.2	1	1	1	3	0	1.75
PO Attainment	2.66	1.95	0.89	0	0.89	1.95	0.89	0.89	0.89	2.66	0	1.55

Semester II

DSC (2) Syllabus for B.A Psychology (Basic and Honors)

Course Code: 211265

Course Title: Foundations of Psychology -II

DSC(2) (Theory)

DSC(2) Psychology Lab (Practical)

Course Credits: 06 (4:0:2)

Hours of Teaching/Week: 04 (Theory) + 04 (Practical)

Total Contact Hours: 56 Hours (Theory)
56 Hours (Practical)

Formative Assessment Marks: 40 (Theory)
25 (Practical)

Exam Duration: 2:30 Hours (Theory)
3 Hours (Practical)

Semester End Examination Marks: 60 (Theory)
25 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
211265			
CO1	3	2.79	2.98
CO2	3	2.84	2.98
CO3	2.4	2.47	2.41
CO4	2.4	2.74	2.43
CO5	2.4	2.68	2.43
Average CO Attainment			1.67

Coures Code	Program Outcomes											
211265	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	2.4	1.22	2	3	2.6	1	1.5	1.5	3	0	2
PO Attainment	1.67	1.34	0.68	1.11	1.67	1.45	0.56	0.84	0.84	1.67	0	1.11

OE (2) Syllabus of Psychology (Except B.A Streams)

Course Code: 21OEPSY201

Course Title O.E (2) : Youth, Gender & Identity

Course Credits: 03 (3:0:0)

Hours of Teaching/Week: 03 Hour (Theory)

Total Contact Hours: 42 Hours (Theory)

Formative Assessment Marks: 40

Exam Duration: 2:30 Hours

Semester End Examination Marks: 60

Course Code	Direct	Indirect	CO
21OEPSY201	Attainment	Attainment	Attainment
CO1	2.2	2.67	2.25
CO2	2.2	2.33	2.21
CO3	1.8	2.44	1.86
CO4	1.8	2.33	1.85
Average CO Attainment			2.04

Coures Code	Program Outcomes											
21OEPSY201	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	1.75	1	0	1	1	1	1	1	3	0	1
PO Attainment	2.04	1.19	0.68	0	0.68	0.68	0.68	0.68	0.68	2.04	0	0.68

Semester III

DSC (3) Syllabus for B.A PSYCHOLOGY (Basic and Honors)

Course Code: 221365

Course Title:

DSC(3) Child Development (Theory) DSC(3)

Lab - Psychology (Practical)

Course Credits: 06 (4:0:2)

Hours of Teaching/Week: 04 (Theory) + 04 (Practical)

**Total Contact Hours: 56 Hours (Theory)
56 Hours (Practical)**

**Formative Assessment Marks: 40 (Theory)
25 (Practical)**

**Exam Duration: 2:30 Hours (Theory)
3 Hours (Practical)**

**Semester End Examination Marks: 60 (Theory)
25 (Practical)**

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
221365			
CO1	3	2.82	2.98
CO2	3	2.59	2.96
CO3	2.4	2.82	2.44
CO4	2.4	2.77	2.44
CO5	2.4	2.77	2.44
Average CO Attainment			1.68

Coures Code	Program Outcomes											
221365	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	2.8	1.2	1.6	3	2.6	1.5	1	1	2.4	0	1.6
PO Attainment	1.68	1.57	0.67	0.9	1.68	1.46	0.84	0.56	0.56	1.34	0	0.9

OE (3) Syllabus of Psychology (Except for B.A Streams)

Semester III

Course Code: 21OEPSY301

Course Title O.E (2) : Psychology and Mental Health

Course Credits: 03 (3:0:0)

Hours of Teaching/Week: 03 Hour (Theory)

Total Contact Hours: 42 Hours (Theory)

Formative Assessment Marks: 40

Exam Duration: 2:30 Hours

Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22OEPSY301			
CO1	3	2.5	2.95
CO2	3	2.38	2.94
CO3	2.4	2.38	2.4
CO4	2.4	2.38	2.4
Average CO Attainment			2.67

Coures Code	Program Outcomes											
22OEPSY301	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	2.2	1	0	1.5	1.5	1	1	1	3	0	2
PO Attainment	2.67	1.96	0.89	0	1.34	1.34	0.89	0.89	0.89	2.67	0	1.78

Semester IV

DSC (4) Syllabus for B.A Psychology (Basic and Honors)

Course Code: 221465

Course Title: Developmental Psychology

DSC(4) (Theory)

DSC(4) Psychology Lab (Practical)

Course Credits: 06 (4:0:2)

Hours of Teaching/Week: 04 (Theory) + 04 (Practical)

Total Contact Hours: 56 Hours (Theory) 56 Hours (Practical) **Formative Assessment Marks:** 40 (Theory) 25 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
221465			
CO1	2.33	2.82	2.38
CO2	2.33	2.86	2.38
CO3	2.33	2.82	2.38
CO4	2.33	2.82	2.38
CO5	2.33	2.95	2.39
Average CO Attainment			1.43

Coures Code	Program Outcomes											
221465	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	2.4	1.2	2.6	3	2.8	1	1	1	2.4	0	1.6
PO Attainment	1.43	1.14	0.57	1.24	1.43	1.33	0.48	0.48	0.48	1.14	0	0.76

DEPARTMENT OF SOCIOLOGY

Course Code: 211151

Course Title: DSC (I) UNDERSTANDING SOCIOLOGY

Course Credits: 03(3:0:0)

Hours of Teaching/Week: 03

Total Contact Hours: 42 Hrs

Formative Assessment Marks: 40

Exam Duration: 2 $\frac{1}{2}$ Hrs

Semester-End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
211151			
CO1	1.2	2.65	1.35
CO2	1.2	2.65	1.35
CO3	0.6	2.59	0.8
Average CO Attainment			1.17

Coures Code	Program Outcomes											
211151	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2	2	2.3	2.3	1.6	2	2	1.6	1.6	0.3	0.3	1.3
PO Attainment	0.78	0.78	0.9	0.9	0.62	0.78	0.78	0.62	0.62	0.12	0.12	0.51

Course Code: 211152

Course Title: DSC (2) Changing Social Institutions in India

Course Credits: 03(3:0:0)

Hours of Teaching/Week: 03

Total Contact Hours: 42 Hrs

Formative Assessment Marks: 40

Exam Duration: 2¹/₂ Hrs

Semester-End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
211152			
CO1	0.8	2.65	0.99
CO2	0.8	2.65	0.99
CO3	0.8	2.59	0.98
Average CO Attainment			0.99

Coures Code	Program Outcomes											
211152	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	1.3	2	2.3	1.6	1.6	2.3	2	2.6	2	2	0.6	2.6
PO Attainment	0.43	0.66	0.76	0.53	0.53	0.76	0.66	0.86	0.66	0.66	0.2	0.86

Course Code: 211251	Course Title: DSC(3) Foundations of Sociological Theories
Course Credits: 03(3:0:0)	Hours of Teaching/Week: 03
Total Contact Hours: 42 Hrs	Formative Assessment Marks: 40
Exam Duration: 2¹Hrs 2	Semester-End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
211151			
CO1	1	2.62	1.16
CO2	1	2.62	1.16
CO3	0.4	2.85	0.65
Average CO Attainment			0.99

Coures Code	Program Outcomes											
211151	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	1.6	2.6	2	2	2	1.6	2	2.3	3	2	1.5	2.3
PO Attainment	0.53	0.86	0.66	0.66	0.66	0.53	0.66	0.76	0.99	0.66	0.5	0.76

Course Code: 211252

Course Title: DSC(4) Sociology of Rural Life in India

Course Credits:03(3:0:0)

Hours of Teaching/Week: 03

Total Contact Hours: 42 Hrs

Formative Assessment Marks: 40

**Exam Duration: 2¹Hrs
2**

Semester-End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
211252			
CO1	2.4	2.69	2.43
CO2	2.4	2.62	2.42
CO3	1.8	2.85	1.91
Average CO Attainment			2.25

Course Code	Program Outcomes											
211252	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	1.3	2	2	2	2	2	2	2	2	2.3	2.3	2.6
PO Attainment	0.98	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.73	1.73	1.95

DEPARTMENT OF ENGLISH

(AECC)ENGLISH LANGUAGE (L2)

For Undergraduate Programs offered in
Faculty of Arts and Faculty of Science (BA, BSc., BCA)

Title of the Paper – Poetry, Prose and Language
Component-1

Semester I Course Code: BA / BSc. / BCA 21ENG119	Course Title: Poetry, Prose and Language Component-1
Course Credits: 03 (2:1:0)	Hours of Teaching/Week: 04
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21ENG119			
CO1	2.6	2.55	2.6
CO2	2.6	2.59	2.6
CO3	2.4	0.69	2.23
CO4	0	2.63	0.26
CO5	0	2.64	0.26
Average CO Attainment			1.59

Courses Code	Program Outcomes											
21ENG119	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2.6	2.7	1.6	2	2.3	2.6	2	2.7	1	3	1	3
PO Attainment	1.38	1.43	0.85	1.06	1.22	1.38	1.06	1.43	0.53	1.59	0.53	1.59

Syllabus For Ability Enhancement Compulsory Course(AECC)ENGLISH LANGUAGE (L2)

Semester I Course Code: BA / BSc. / BCA 21ENG119	Course Title: Poetry, Prose and Language Component-1
Course Credits: 03 (2:1:0)	Hours of Teaching/Week: 04
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
0			
CO1	3	2.35	2.94
CO2	3	1.13	2.81
CO3	2.4	1.14	2.27
CO4	0	1.1	0.11
CO5	0	1.17	0.12
Average CO Attainment			1.65

Coures Code	Program Outcomes											
0	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2
Weighted Average	2.6	2.7	1.6	2	2.3	2.6	2	2.7	1	3	1	3
PO Attainame nt	1.4 3	1.4 9	0.8 8	1.1	1.2 7	1.4 3	1.1	1.4 9	0.5 5	1.65	0.55	1.65

Faculty of Arts and Faculty of Science (BA, BSc., BCA)

Title of the Paper – Poetry, Prose and Language

Component-1

Semester I Course Code: BA / BSc. / BCA 21ENG119	Course Title: Poetry, Prose and Language Component-1
Course Credits: 03 (2:1:0)	Hours of Teaching/Week: 04
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21ENG119			
CO1	3	0.49	2.75
CO2	3	0.48	2.75
CO3	2.4	0.49	2.21
CO4	0	0.44	0.04
CO5	0	0.48	0.05
Average CO Attainment			1.56

Coures Code	Program Outcomes											
21ENG119	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO10	PO11	PO12
Weighted Average	2.6	2.7	1.6	2	2.3	2.6	2	2.7	1	3	1	3
PO Attainame nt	1.35	1.4	0.83	1.04	1.2	1.35	1.04	1.4	0.52	1.56	0.52	1.56

Faculty of Arts and Science (BA, BSc, BCA)
Title of the Paper – Poetry, Prose and Language
Component-II

Semester II Course Code: BA / BSc. / BCA 21ENG219	Course Title: Poetry, Prose and Language Component-II
Course Credits: 03 (2:1:0)	Hours of Teaching/Week: 04
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Code	Direct	Indirect	CO
21ENG219	Attainment	Attainment	Attainment
CO1	2.6	2.54	2.59
CO2	2.6	2.61	2.6
CO3	2.4	2.6	2.42
CO4	0	2.62	0.26
CO5	0	2.62	0.26
Average CO Attainment			1.63

Coures Code	Program Outcomes											
21ENG219	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2
Weighted Average	2.6	2.7	1.6	2	2.3	2.6	2	2.7	1	3	1	3
PO Attainame nt	1.4 1	1.4 7	0.8 7	1.0 9	1.2 5	1.4 1	1.0 9	1.4 7	0.5 4	1.63	0.54	1.63

(AECC)ENGLISH LANGUAGE (L2)
Faculty of Arts and Science (BA, BSc, BCA)
Title of the Paper – Poetry, Prose and Language Component-II

Semester II Course Code: BA / BSc. / BCA 21ENG219	Course Title: Poetry, Prose and Language Component-II
Course Credits: 03 (2:1:0)	Hours of Teaching/Week: 04
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21ENG219			
CO1	3	2.7	2.97
CO2	3	2.74	2.97
CO3	2.4	4.65	2.63
CO4	0	4.53	0.45
CO5	0	4.63	0.46
Average CO Attainment			1.9

Coures Code	Program Outcomes											
21ENG219	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO10	PO11	PO12
Weighted Average	2.6	2.7	1.6	2	2.3	2.6	2	2.7	1	3	1	3
PO Attainame nt	1.65	1.71	1.01	1.27	1.46	1.65	1.27	1.71	0.63	1.9	0.63	1.9

(AECC)ENGLISH LANGUAGE (L2)
Faculty of Arts and Science (BA, BSc, BCA)
Title of the Paper – Poetry, Prose and LanguageComponent-II

Semester II Course Code: BA / BSc. / BCA 21ENG219	Course Title: Poetry, Prose and Language Component-II
Course Credits: 03 (2:1:0)	Hours of Teaching/Week: 04
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Code	Direct	Indirect	CO
21ENG219	Attainment	Attainment	Attainment
CO1	3	2.43	2.94
CO2	3	1.16	2.82
CO3	2.4	1.2	2.28
CO4	0	1.4	0.14
CO5	0	1.39	0.14
Average CO Attainment			1.66

Coures Code	Program Outcomes											
21ENG219	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2
Weighted Average	2.6	2.7	1.6	2	2.3	2.6	2	2.7	1	3	1	3
PO Attainame nt	1.4 4	1.4 9	0.8 9	1.1 1	1.2 7	1.4 4	1.1 1	1.4 9	0.5 5	1.66	0.55	1.66

(AECC)ENGLISH LANGUAGE (L2)
Faculty of Commerce and Management
(B.Com., BBA)(BBA (H & H) (BBA Aviation & International Tourism)
Title of the Paper – Poetry, Prose and Language
Component-1

Semester I Course Code: B.Com. / BBA (All) 21ENG120	Course Title: Poetry, Prose and Language Component-1
Course Credits: 03 (2:1:0)	Hours of Teaching/Week: 04
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Code	Direct	Indirect	CO
21ENG120	Attainment	Attainment	Attainment
CO1	2.8	2.21	2.74
CO2	2.8	2.31	2.75
CO3	2.4	2.35	2.4
CO4	0	2.29	0.23
CO5	0	2.34	0.23
Average CO Attainment			1.67

Coures Code	Program Outcomes											
21ENG120	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO10	PO11	PO12
Weighted Average	2.6	2.7	1.6	2	2.3	2.6	2	2.7	1	3	1	3
PO Attainame nt	1.45	1.5	0.89	1.11	1.28	1.45	1.11	1.5	0.56	1.67	0.56	1.67

(AECC)ENGLISH LANGUAGE (L2)
Faculty of Commerce and Management
(B.Com., BBA)(BBA (H & H) (BBA Aviation & International Tourism)
Title of the Paper – Poetry, Prose and Language
Component-1

Semester I Course Code: B.Com. / BBA (All) 21ENG120	Course Title: Poetry, Prose and Language Component-1
Course Credits: 03 (2:1:0)	Hours of Teaching/Week: 04
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Code	Direct	Indirect	CO
0	Attainment	Attainment	Attainment
CO1	3	2.1	2.91
CO2	3	2.24	2.92
CO3	2.4	2.26	2.39
CO4	0	2.27	0.23
CO5	0	2.25	0.23
Average CO Attainment			1.74

Coures Code	Program Outcomes											
0	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2.6	2.7	1.6	2	2.3	2.6	2	2.7	1	3	1	3
PO Attainment	1.51	1.57	0.93	1.16	1.33	1.51	1.16	1.57	0.58	1.74	0.58	1.74

(AECC)ENGLISH LANGUAGE (L2)

Faculty of Commerce and Management

B.Com, BBA, BBA (H & H), BBA (Aviation and International Tourism)

Title of the Paper – Poetry, Prose and Language Component-II

Semester II Course Code: B.Com. / BBA (All) 21ENG220	Course Title: Poetry, Prose and Language Component-II
Course Credits: 03 (2:1:0)	Hours of Teaching/Week: 04
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Code	Direct	Indirect	CO
21ENG220	Attainment	Attainment	Attainment
CO1	2.8	2.26	2.75
CO2	2.8	4.26	2.95
CO3	2.4	2.32	2.39
CO4	0	2.16	0.22
CO5	0	2.39	0.24
Average CO Attainment			1.71

Coures Code	Program Outcomes											
21ENG220	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2
Weighted Average	2.6	2.7	1.6	2	2.3	2.6	2	2.7	1	3	1	3
PO Attainame nt	1.48	1.54	0.91	1.14	1.31	1.48	1.14	1.54	0.57	1.71	0.57	1.71

B.Com, BBA, BBA (H & H), BBA (Aviation and International Tourism)

Title of the Paper – Poetry, Prose and Language Component II

Semester II Course Code: B.Com. / BBA (All) 21ENG220	Course Title: Poetry, Prose and Language Component-II
Course Credits: 03 (2:1:0)	Hours of Teaching/Week: 04
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Code	Direct	Indirect	CO
21ENG220	Attainment	Attainment	Attainment
CO1	3	2.49	2.95
CO2	3	2.51	2.95
CO3	2.4	2.53	2.41
CO4	0	2.55	0.26
CO5	0	2.53	0.25
Average CO Attainment			1.76

Coures Code	Program Outcomes											
21ENG220	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2
Weighted Average	2.6	2.7	1.6	2	2.3	2.6	2	2.7	1	3	1	3
PO Attainame nt	1.5 3	1.5 8	0.9 4	1.1 7	1.3 5	1.5 3	1.1 7	1.5 8	0.5 9	1.76	0.59	1.76

Faculty of Arts and Science (BA, BSc, BCA)
Title of the Paper – Drama and Language Component

Semester III Course Code: BA 221319, BSc 222319, BCA 225319	Course Title: AECC, Generic English L2 Drama and Language Component
Course Credits: 03 (2:1:0)	Hours of Teaching/Week: 04
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Code	Direct	Indirect	CO
22ENG319	Attainment	Attainment	Attainment
CO1	2	2.57	2.06
CO2	2	2.57	2.06
CO3	2.4	2.59	2.42
CO4	0	2.61	0.26
CO5	0	2.66	0.27
Average CO Attainment			1.41

Coures Code	Program Outcomes											
22ENG319	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2
Weighted Average	2.6	2.4	1.6	1	1.8	2.4	1	2	2	3	1	3
PO Attainame nt	1.2 2	1.1 3	0.7 5	0.4 7	0.8 5	1.1 3	0.4 7	0.9 4	0.9 4	1.41	0.47	1.41

Faculty of Arts and Science (BA, BSc, BCA)
Title of the Paper – Drama and Language Component

Semester III Course Code: BA 221319, BSc 222319, BCA 225319	Course Title: AECC, Generic English L2 Drama and Language Component
Course Credits: 03 (2:1:0)	Hours of Teaching/Week: 04
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Code	Direct	Indirect	CO
22ENG319	Attainment	Attainment	Attainment
CO1	2.2	2.51	2.23
CO2	2.2	2.53	2.23
CO3	2.4	2.53	2.41
CO4	0	2.57	0.26
CO5	0	2.57	0.26
Average CO Attainment			1.48

Coures Code	Program Outcomes											
22ENG319	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2
Weighted Average	2.6	2.4	1.6	1	1.8	2.4	1	2	2	3	1	3
PO Attainame nt	1.2 8	1.1 8	0.7 9	0.4 9	0.8 9	1.1 8	0.4 9	0.9 9	0.9 9	1.48	0.49	1.48

Faculty of Arts and Science (BA, BSc, BCA)
Title of the Paper – Drama and Language Component

Semester III Course Code: BA 221319, BSc 222319, BCA 225319	Course Title: AECC, Generic English L2 Drama and Language Component
Course Credits: 03 (2:1:0)	Hours of Teaching/Week: 04
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Code	Direct	Indirect	CO
22ENG319	Attainment	Attainment	Attainment
CO1	2.4	2.47	2.41
CO2	2.4	2.5	2.41
CO3	2.4	2.5	2.41
CO4	0	2.5	0.25
CO5	0	2.47	0.25
Average CO Attainment			1.55

Coures Code	Program Outcomes											
22ENG319	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2
Weighted Average	2.6	2.4	1.6	1	1.8	2.4	1	2	2	3	1	3
PO Attainame nt	1.3 4	1.2 4	0.8 3	0.5 2	0.9 3	1.2 4	0.5 2	1.0 3	1.0 3	1.55	0.52	1.55

Faculty of Arts and Science (BA BSC BCA)
Title of the Paper – Generic English – 2 Fiction & Language Component

Semester IV Course Code: BA 221419 BSc. 222419 BCA 225419	Course Title: AECC, Generic English - 2 Fiction & Language Component
Course Credits: 03 (2:1:0)	Hours of Teaching/Week: 04
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
0			
CO1	1	2.67	1.17
CO2	2.2	2.67	2.25
CO3	1.2	2.69	1.35
CO4	0	2.76	0.28
CO5	0	2.76	0.28
Average CO Attainment			1.07

Coures Code	Program Outcomes											
0	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2.6	2.4	1.6	1	1.8	2.4	1	2	2	3	1	3
PO Attainment	0.93	0.86	0.57	0.36	0.64	0.86	0.36	0.71	0.71	1.07	0.36	1.07

Faculty of Arts and Science (BA BSC BCA)
Title of the Paper – Generic English – 2 Fiction & Language Component

Semester IV Course Code: BA 221419 BSc. 222419 BCA 225419	Course Title: AECC, Generic English - 2 Fiction & Language Component
Course Credits: 03 (2:1:0)	Hours of Teaching/Week: 04
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22ENG419			
CO1	2.4	2.6	2.42
CO2	3	2.62	2.96
CO3	2.4	2.57	2.42
CO4	0	2.62	0.26
CO5	0	2.57	0.26
Average CO Attainment			1.66

Coures Code	Program Outcomes											
22ENG419	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2.6	2.4	1.6	1	1.8	2.4	1	2	2	3	1	3
PO Attainment	1.44	1.33	0.89	0.55	1	1.33	0.55	1.11	1.11	1.66	0.55	1.66

Faculty of Arts and Science (BA BSC BCA)
Title of the Paper – Generic English – 2 Fiction & Language Component

Semester IV Course Code: BA 221419 BSc. 222419 BCA 225419	Course Title: AECC, Generic English - 2 Fiction & Language Component
Course Credits: 03 (2:1:0)	Hours of Teaching/Week: 04
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Code	Direct	Indirect	CO
22ENG419	Attainment	Attainment	Attainment
CO1	1.2	2.44	1.32
CO2	3	2.44	2.94
CO3	3	2.5	2.95
CO4	0	2.41	0.24
CO5	0	2.5	0.25
Average CO Attainment			1.54

Coures Code	Program Outcomes											
22ENG419	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2.6	2.4	1.6	1	1.8	2.4	1	2	2	3	1	3
PO Attainment	1.33	1.23	0.82	0.51	0.92	1.23	0.51	1.03	1.03	1.54	0.51	1.54

Faculty of Commerce and Management
B.Com, BBA, BBA (H &H), BBA (Aviation & International Tourism)
Title of the Paper – Generic English – 2 Drama and Language
Component

Semester III Course Code: BCom 223319, BBA224319 BBA (H&H) 226319 BBA (Aviation & Intl. T) 227319	Course Title: AECC, Generic English - 2 Drama and Language Component
Course Credits: 03 (2:1:0)	Hours of Teaching/Week: 04
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22ENG320			
CO1	2.2	2.36	2.22
CO2	1.6	2.4	1.68
CO3	1.8	2.51	1.87
CO4	0	2.49	0.25
Average CO Attainment			1.15

Coures Code	Program Outcomes											
22ENG320	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2
Weighted Average	2.6	2.4	1.6	1	1.8	2.4	1	2	2	3	1	3
PO Attainame nt	1	0.9 2	0.6 1	0.3 8	0.6 9	0.9 2	0.3 8	0.7 7	0.7 7	1.15	0.38	1.15

Faculty of Commerce and Management
B.Com, BBA, BBA (H &H), BBA (Aviation & International Tourism)
Title of the Paper – Generic English – 2 Drama and Language
Component

Semester III Course Code: BCom 223319, BBA224319 BBA (H&H) 226319 BBA (Aviation & Intl. T) 227319	Course Title: AECC, Generic English - 2 Drama and Language Component
Course Credits: 03 (2:1:0)	Hours of Teaching/Week: 04
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
0			
CO1	2	2.36	2.04
CO2	2	2.4	2.04
CO3	2.4	2.51	2.41
CO4	0	2.45	0.25
CO5	0	2.43	0.24
Average CO Attainment			1.4

Coures Code	Program Outcomes											
0	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2
Weighted Average	2.6	2.4	1.6	1	1.8	2.4	1	2	2	3	1	3
PO Attainame nt	1.2 1	1.1 2	0.7 5	0.4 7	0.8 4	1.1 2	0.4 7	0.9 3	0.9 3	1.4	0.47	1.4

**Faculty of Commerce and Management(B.Com, BBA, BBA (H &H),
BBA (Aviation & International Tourism)**

Title of the Paper – Fiction and Language Component

Semester IV Course Code: B.Com 223419 BBA 224419 BBA (H & H) 226419 BBA (Aviation & Intl. T) 227419	Course Title: AECC, Generic English - 2 Fiction & Language Component
Course Credits: 03 (2:1:0)	Hours of Teaching/Week: 04
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
0			
CO1	1.6	1.96	1.64
CO2	2.2	2.54	2.23
CO3	2.4	2.43	2.4
CO4	0	2.54	0.25
CO5	0	2.61	0.26
Average CO Attainment			1.36

Coures Code	22											
0	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2.6	2.4	1.6	1	1.8	2.4	1	1	2	3	1	3
PO Attainment	1.18	1.09	0.73	0.45	0.82	1.09	0.45	0.45	0.91	1.36	0.45	1.36

Faculty of Commerce and Management (B.Com, BBA, BBA (H &H),

BBA (Aviation & International Tourism)

Title of the Paper – Fiction and Language Component

Semester IV Course Code: B.Com 223419 BBA 224419BBA (H & H) 226419 BBA (Aviation & Intl. T) 227419	Course Title: AECC, Generic English - 2 Fiction & Language Component
Course Credits: 03 (2:1:0)	Hours of Teaching/Week: 04
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Code	Direct	Indirect	CO
22ENG420	Attainment	Attainment	Attainment
CO1	2.8	2.36	2.76
CO2	2.8	2.4	2.76
CO3	2.4	2.51	2.41
CO4	0	2.45	0.25
CO5	0	47	4.7
Average CO Attainment			2.58

Coures Code	Program Outcomes											
22ENG420	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2
Weighted Average	2.6	2.4	1.6	1	1.8	2.4	1	2	2	3	1	3
PO Attainame nt	2.2 4	2.0 6	1.3 8	0.8 6	1.5 5	2.0 6	0.8 6	1.7 2	1.7 2	2.58	0.86	2.58

OPTIONAL ENGLISH

Syllabus for I Semester B A in English (Basic / Hons.)

Semester I Course Code: 211179	Course Title: DSC(1) Introduction to Literature
Course Credits: 03 (3:0:0)	Hours of Teaching/Week: 03
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Code	Direct	Indirect	CO
211179	Attainment	Attainment	Attainment
CO1	2.8	2.92	2.81
CO2	2.8	2.85	2.81
CO3	2.8	2.77	2.8
CO4	0	0	0
Average CO Attainment			1.68

Coures Code	Program Outcomes											
211179	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2
Weighted Average	2.6	1	1	1	1	1	1	1.6	1.3	3	2	3
PO Attainame nt	1.4 6	0.5 6	0.5 6	0.5 6	0.5 6	0.5 6	0.5 6	0.9	0.7 3	1.68	1.12	1.68

Semester II

Course Code: 211180	Course Title: DSC(2) INDIAN WRITING IN ENGLISH – PART-1
Course Credits: 03 (3:0:0)	Hours of Teaching/Week: 03
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Code	Direct	Indirect	CO
211180	Attainment	Attainment	Attainment
CO1	2.8	2.54	2.77
CO2	2.8	2.77	2.8
CO3	2.8	2.62	2.78
CO4	0	0	0
Average CO Attainment			1.67

Coures Code	Program Outcomes											
211180	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2
Weighted Average	3	2.3	1.3	2	1	3	1	3	1	3	1.3	3
PO Attainame nt	1.67	1.28	0.72	1.11	0.56	1.67	0.56	1.67	0.56	1.67	0.72	1.67

Annexure: English Optional Syllabus
OPTIONAL ENGLISH (L2)
Syllabus for II Semester BA in English (Basic / Hons.)
Semester II

Course Code: 211279	Course Title: DSC(3) Introduction to Phonetics and Linguistics
Course Credits: 03 (3:0:0)	Hours of Teaching/Week: 03
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
211279			
CO1	2.8	2.85	2.81
CO2	2.8	2.85	2.81
CO3	2.8	2.92	2.81
CO4	0	0	0
Average CO Attainment			1.69

Coures Code	Program Outcomes											
211279	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2
Weighted Average	3	1	1	1.6	2	2	1	1	2	3	1	3
PO Attainame nt	1.69	0.56	0.56	0.9	1.13	1.13	0.56	0.56	1.13	1.69	0.56	1.69

Syllabus for II Semester BA in English (Basic / Hons.)
Semester II

Course Code: 211280	Course Title: DSC(4) INDIAN WRITING IN ENGLISH PART-II
Course Credits: 03 (3:0:0)	Hours of Teaching/Week: 03
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
211280			
CO1	2.8	2.62	2.78
CO2	2.8	2.92	2.81
CO3	2.8	3	2.82
CO4	0	0	0
Average CO Attainment			1.68

Coures Code	Program Outcomes											
211280	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2
Weighted Average	3	1	2	1	1	1.6	1	2.3	1	3	1	3
PO Attainame nt	1.6 8	0.5 6	1.1 2	0.5 6	0.5 6	0.9	0.5 6	1.2 9	0.5 6	1.68	0.56	1.68

Syllabus for III Semester B A in English (Basic / Hons.)
Title of the Paper – DSC(5) BRITISH LITERATURE UP TO 1800
FROM CHAUCER TO THE AGE OF TRANSITION

Semester III Course Code: 221379	Title: DSC(5) British Literature up to 1800 From Chaucer to the age of Transition
Course Credits: 03 (3:0:0)	Hours of Teaching/Week: 03
Total Contact Hours: 42 Hours + 3 Hours (Activity)	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
221379			
CO1	2.8	2.83	2.8
CO2	2.8	2.83	2.8
CO3	2.8	2.75	2.8
CO4	0	0	0
Average CO Attainment			1.68

Coures Code	Program Outcomes											
221379	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2
Weighted Average	3	1	1	1.3	1	2.6	1	3	1	3	1	2.6
PO Attainame nt	1.68	0.56	0.56	0.73	0.56	1.46	0.56	1.68	0.56	1.68	0.56	1.46

Syllabus for III Semester B A in English (Basic / Hons.)

**Title of the Paper – DSC(6) Indian Literature in
Translation**

Semester III Course Code: 221380	Title: DSC(6) Indian Literature in Translation
Course Credits: 03 (3:0:0)	Hours of Teaching/Week: 03
Total Contact Hours: 42 Hours + 3 Hours (Activity)	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
221380			
CO1	2.8	2.92	2.81
CO2	2.8	2.83	2.8
CO3	2.8	2.92	2.81
CO4	0	0	0
Average CO Attainment			1.68

Coures Code	Program Outcomes											
221380	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO10	PO11	PO12
Weighted Average	3	1	1	1	2	2	1	1.6	2	3	1	3
PO Attainame nt	1.68	0.56	0.56	0.56	1.12	1.12	0.56	0.9	1.12	1.68	0.56	1.68

OPTIONAL ENGLISH (L2)
Syllabus for IV Semester B A in English (Basic / Hons.)
Title of the Paper-DSC-7 BRITISH LITERATURE (19th & 20TH CENTURY) (PART 2)

Semester IV Course Code: 221479	Title: DSC(7) - British Literature (19th and 20th Century) Part - 2
Course Credits: 03 (3:0:0)	Hours of Teaching/Week: 03
Total Contact Hours: 42 Hours + 3 Hours (Activity)	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
221479			
CO1	2.8	2.9	2.81
CO2	2.8	2.9	2.81
CO3	2.8	2.8	2.8
CO4	0	0	0
Average CO Attainment			1.68

Coures Code	Program Outcomes											
221479	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2
Weighted Average	3	1	1	1.3	1	2.6	1	3	1	3	1	2.6
PO Attainame nt	1.68	0.56	0.56	0.73	0.56	1.46	0.56	1.68	0.56	1.68	0.56	1.46

OPTIONAL ENGLISH (L2)
Syllabus for IV Semester B A in English (Basic / Hons.)
Title of the Paper- – DSC – 8 GENDER STUDIES (PART 1)

Semester IV Course Code: 221480	Title: DSC(8) - GENDER STUDIES (PART 1)
Course Credits: 03 (3:0:0)	Hours of Teaching/Week: 03
Total Contact Hours: 42 Hours + 3 Hours (Activity)	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
221480			
CO1	2.8	2.8	2.8
CO2	2.8	2.8	2.8
CO3	2.8	2.9	2.81
CO4	0	0	0
Average CO Attainment			1.68

Coures Code	Program Outcomes											
221480	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2
Weighted Average	3	1.3	1.6	1	1.3	3	1	3	1.6	3	1	3
PO Attainame nt	1.68	0.73	0.9	0.56	0.73	1.68	0.56	1.68	0.9	1.68	0.56	1.68

DEPARTMENT OF HINDI

AECC(1) HINDI Syllabus for B.Com/BBA(All)

Semester I

Course Code: 21HIN106	Course Title: AECC(1) Hindi Kahani and grammar (Theory)
Course Credits: 02 (2:1:0)	No. of Teaching Hours/Week: 02 Hours (Theory) 02 Hours (Tutorials)
Total Contact Hours: 32 Hours (Theory) 32 Hours (Tutorials)	Formative Assessment Marks: 40
Exam Duration: 2½ Hours (Theory)	Semester End Examination Marks: 60 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22HIN106			
CO1	2.8	2.37	2.76
CO2	2.8	2.37	2.76
CO3	2.8	2.47	2.77
CO4	0	2.37	0.24
Average CO Attainment			1.66

Coures Code	Program Outcomes											
22HIN0106	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	1	2	1	1	1	1.75	1	2.22	1.25	3	1	2
PO Attainment	0.55	1.11	0.55	0.55	0.55	0.97	0.55	1.23	0.69	1.66	0.55	1.11

AECC(1) HINDI Syllabus for BCA/ BSc/BA

Semester I

Course Code: 21HIN107	Course Title: AECC(1) Hindi Kahani and grammar (Theory)
Course Credits: 02 (2:1:0)	No. of Teaching Hours/Week: 02 Hours (Theory) 02 Hours (Tutorials)
Total Contact Hours: 32 Hours (Theory) 32 Hours (Tutorials)	Formative Assessment Marks: 40
Exam Duration: 2½ Hours (Theory)	Semester End Examination Marks: 60 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22HIN107			
CO1	2.8	2.15	2.74
CO2	2.6	2.19	2.56
CO3	2.8	2.26	2.75
CO4	2.2	2.23	2.2
Average CO Attainment			1.61

Coures Code	Program Outcomes											
22HIN0107	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	1.5	2	1	1	1	1.75	1	2.22	1.25	3	1	2
PO Attainment	0.81	1.07	0.54	0.54	0.54	0.94	0.54	1.19	0.67	1.61	0.54	1.07

AECC(2) HINDI Syllabus for B.Com/BBA(All)

Semester II

Course Code: 21HIN206	Course Title: AECC(2) Hindi Gadya Our Vyavaharik Hindi (Theory)
Course Credits: 02 (2:1:0)	No. of Teaching Hours/Week: 02 Hours (Theory) 02 Hours (Tutorials)
Total Contact Hours: 32 Hours (Theory) 32 Hours (Tutorials)	Formative Assessment Marks: 40
Exam Duration: 2½ Hours (Theory)	Semester End Examination Marks: 60 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22HIN206			
CO1	2.6	2.25	2.57
CO2	2.6	2.25	2.57
CO3	2.6	2.25	2.57
CO4	0	2.06	0.21
Average CO Attainment			1.54

Coures Code	Program Outcomes											
22HIN206	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2.25	2	1	1	1	1.75	1	2.22	1.25	3	1	2
PO Attainment	1.16	1.03	0.51	0.51	0.51	0.9	0.51	1.14	0.64	1.54	0.51	1.03

AECC(2) HINDI Syllabus for BCA/Bsc/BA

Semester II

Course Code: 21HIN207	Course Title: AECC(2) Hindi Kavita Aur Anuvada Abhyas (Theory)
Course Credits: 02 (2:1:0)	No. of Teaching Hours/Week: 02 Hours (Theory) 02 Hours (Tutorials)
Total Contact Hours: 32 Hours (Theory) 32 Hours (Tutorials)	Formative Assessment Marks: 40
Exam Duration: 2½ Hours (Theory)	Semester End Examination Marks: 60 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22HIN207			
CO1	3	4.85	3.19
CO2	3	4.9	3.19
CO3	3	4.95	3.2
CO4	0	5.2	0.52
Average CO Attainment			1.92

Coures Code	Program Outcomes											
22HIN207	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2.25	2	1	1	1	1.75	1	2.22	1.25	3	1	2
PO Attainment	1.44	1.28	0.64	0.64	0.64	1.12	0.64	1.42	0.8	1.92	0.64	1.28

AECC (3) HINDI Syllabus for B.Com/BBA(All)

Semester III Course Code: 22HIN306	Course Title: AECC(3) हिंदी व्याकरण + हिंदी व्याकरण, हिंदी व्याकरण, हिंदी व्याकरण
Course Credits: 02 (2:1:0)	No. of Teaching Hours/Week: 02 Hours (Theory) 02 Hours (Tutorials))
Total Contact Hours: 32 Hours (Theory) 32 Hours (Tutorials)	Formative Assessment Marks: 40
Exam Duration: 2½ Hours (Theory)	Semester End Examination Marks: 60 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22HIN306			
CO1	2.8	2.38	2.76
CO2	2.8	2.38	2.76
CO3	2.8	2.31	2.75
CO4	2.2	2.46	2.23
Average CO Attainment			1.65

Coures Code	Program Outcomes											
22HIN306	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2.25	2	1	1	1	1.75	1	2.22	1.25	3	1	2
PO Attainment	1.24	1.1	0.55	0.55	0.55	0.96	0.55	1.22	0.69	1.65	0.55	1.1

AECC(3) HINDI Syllabus for BA/BCA/BSc

Semester III Course Code: 22HIN307	Course Title: AECC(3) Hindi Natak aur Sanchar MadyamourHindi
Course Credits: 02 (2:1:0)	No. of Teaching Hours/Week: 02 Hours (Theory) 02 Hours (Tutorials)
Total Contact Hours: 32 Hours (Theory) 32 Hours (Tutorials)	Formative Assessment Marks: 40
Exam Duration: 2½ Hours (Theory)	Semester End Examination Marks: 60 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22HIN306			
CO1	3	2.1	2.91
CO2	3	2.15	2.92
CO3	2.4	2.35	2.4
CO4	2.2	2.35	2.22
Average CO Attainment			1.65

Coures Code	Program Outcomes											
22HIN306	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2.25	2	1	1	1	1.75	1	2.22	1.25	3	1	2
PO Attainment	1.24	1.1	0.55	0.55	0.55	0.96	0.55	1.22	0.69	1.65	0.55	1.1

AECC(4) HINDI Syllabus for B.Com/BBA(All)

Semester IV Course Code: 22HIN406	Course Title: AECC(4) Hindi Natak aur Sanchar Madyam our Hindi
Course Credits: 02 (2:1:0)	No. of Teaching Hours/Week: 02 Hours (Theory) 02 Hours (Tutorials)
Total Contact Hours: 32 Hours (Theory) 32 Hours (Tutorials)	Formative Assessment Marks: 40
Exam Duration: 2½ Hours (Theory)	Semester End Examination Marks: 60 (Theory)

Course Code	Direct	Indirect	CO
22HIN306	Attainment	Attainment	Attainment
CO1	2.8	2.38	2.76
CO2	2.8	2.38	2.76
CO3	2.4	2.31	2.39
CO4	0	2.46	0.25
Average CO Attainment			1.58

Coures Code	Program Outcomes											
22HIN306	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2.25	2	1	1	1	1.75	1	2.22	1.25	3	1	2
PO Attainment	1.19	1.05	0.53	0.53	0.53	0.92	0.53	1.17	0.66	1.58	0.53	1.05

AECC(4) HINDI Syllabus for BA/BCA/BSc

Semester IV Course Code: 22HIN407	Course Title: AECC(4) Hindi Gadya aur Sarakari Patra.
Course Credits: 02 (2:1:0)	No. of Teaching Hours/Week: 02 Hours (Theory) 02 Hours (Tutorials)
Total Contact Hours: 32 Hours (Theory) 32 Hours (Tutorials)	Formative Assessment Marks: 40
Exam Duration: 2½ Hours (Theory)	Semester End Examination Marks: 60 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22HIN307			
CO1	3	2.35	2.94
CO2	3	2.3	2.93
CO3	2.4	2.4	2.4
CO4	0	2.4	0.24
Average CO Attainment			1.65

Coures Code	Program Outcomes											
22HIN307	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2	2	1	1	1	1.75	1	2.22	1.25	3	1	2
PO Attainment	1.1	1.1	0.55	0.55	0.55	0.96	0.55	1.22	0.69	1.65	0.55	1.1

DEPARTMENT OF KANNADA

Semester-1

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Course Code: 22KAN101	Course Title: ಕನ್ನಡಭಾಷೆ-1
Course Credits (L:T:P): 03 (2:1:0)	Hours of Teaching/Week: 02 (Theory) + 02 (Tutorials)
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: $2\frac{1}{2}$ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22KAN101			
CO1	2.4	2.56	2.42
CO2	2.4	2.56	2.42
CO3	2.4	2.53	2.41
CO4	0	2.47	0.25
Average CO Attainment			1.45

Course Code	Program Outcomes											
22KAN101	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO 9	PO1 0	PO1 1	P O 1 2
Weighted Average	3	3	3	2.25	2.33	2.75	2	2.75	2.25	2.5	1.75	2
PO Attainment	1.45	1.45	1.45	1.09	1.13	1.33	0.97	1.33	1.09	1.21	0.85	0.97

Semester-2

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Course Code: 22KAN201	Course Title ಕನ್ನಡಭಾಷೆ-2
Course Credits (L:T:P): 03 (2:1:0)	Hours of Teaching/Week: 02 (Theory) + 02 (Tutorials)
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: $2\frac{1}{2}$ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22KAN 201			
CO1	2.4	2.72	2.43
CO2	2.4	2.7	2.43
CO3	2.4	2.85	2.45
CO4	0	2.65	0.27
Average CO Attainment			1.46

Course Code	Program Outcomes											
22KAN 201	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	3	2.5	2	1.5	3	2.25	3	2.25	2.25	2.25	2
PO Attainment	1.46	1.46	1.22	0.97	0.73	1.46	1.1	1.46	1.1	1.1	1.1	0.97

Semester-3

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Course Code: 22KAN301	Course Title: ಕನ್ನಡಭಾಷೆ-3
Course Credits (L:T:P): 03 (2:1:0)	Hours of Teaching/Week: 02 (Theory) + 02 (Tutorials)
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2 $\frac{1}{2}$ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22KAN 302			
CO1	2.4	2.72	2.43
CO2	2.4	2.55	2.42
CO3	2.4	2.51	2.41
CO4	0	2.55	0.26
Average CO Attainment			1.45

Course Code	Program Outcomes											
22KAN 302	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	3	3	2	2.75	3	2	3	2.5	2.75	2.5	3
PO Attainment	1.45	1.45	1.45	0.97	1.33	1.45	0.97	1.45	1.21	1.33	1.21	1.45

Semester-3

ಬಿ ಎ

Course Code: 22KAN401	Course Title: ಕನ್ನಡಭಾಷೆ 4
Course Credits (L:T:P): 03 (2:1:0)	Hours of Teaching/Week: 02 (Theory) + 02 (Tutorials)
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: $2\frac{1}{2}$ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22KAN401			
CO1	2.4	2.79	2.44
CO2	2.4	2.87	2.45
CO3	2.4	2.77	2.44
CO4	0	2.66	0.27
Average CO Attainment			1.47

Course Code	Program Outcomes											
22KAN401	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	3	3	2	2	2.75	2	2.75	1.75	1.75	2.25	3
PO Attainment	1.47	1.47	1.47	0.98	0.98	1.35	0.98	1.35	0.86	0.86	1.1	1.47

Semester 1

ಬಿ.ಎಸ್ಸಿ

Course Code: 22KAN102	Course Title: ಕನ್ನಡಭಾಷೆ 1
Course Credits (L:T:P): 03 (2:1:0)	Hours of Teaching/Week: 02 (Theory) + 02 (Tutorials)
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2 $\frac{1}{2}$ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22KAN102			
CO1	2.4	2.59	2.42
CO2	2.4	2.48	2.41
CO3	2.4	2.17	2.38
CO4	0	2.28	0.23
Average CO Attainment			1.44

Course Code	Program Outcomes											
22KAN102	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	2.75	2.5	2	2	3	2	3	1.75	1.75	1.75	2
PO Attainment	1.44	1.32	1.2	0.96	0.96	1.44	0.96	1.44	0.84	0.84	0.84	0.96

Semester 2

ಬಿ.ಎಸ್ಸಿ

Course Code: 22KAN202	Course Title: ಕನ್ನಡಭಾಷೆ - 2
Course Credits (L:T:P): 03 (2:1:0)	Hours of Teaching/Week: 02 (Theory) + 02 (Tutorials)
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: $2\frac{1}{2}$ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22KAN 201			
CO1	2.4	2.38	2.4
CO2	2.4	2.67	2.43
CO3	2.4	2.52	2.41
CO4	0	2.62	0.26
Average CO Attainment			1.45

Course Code	Program Outcomes											
22KAN 201	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weight ed Average	3	3	2.25	2.25	2.25	3	1.66	3	2	2	2	2
PO Attainment	1.45	1.45	1.09	1.09	1.09	1.45	0.8	1.45	0.97	0.97	0.97	0.97

Semester 3

ಬಿ.ಎಸ್ಸಿ

Course Code: 22KAN302	Course Title: ಕನ್ನಡಭಾಷೆ 3
Course Credits (L:T:P): 03 (2:1:0)	Hours of Teaching/Week: 02 (Theory) + 02 (Tutorials)
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2 $\frac{1}{2}$ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22KAN302			
CO1	2.4	2.47	2.41
CO2	2.4	2.69	2.43
CO3	2.4	2.24	2.38
CO4	0	2.43	0.24
Average CO Attainment			1.44

Course Code	Program Outcomes											
22KAN302	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	3	2.75	2.25	1.75	3	2	2.75	2.25	2.5	1.75	2.75
PO Attainment	1.44	1.44	1.32	1.08	0.84	1.44	0.96	1.32	1.08	1.2	0.84	1.32

Semester 4

ಬಿ.ಎಸ್ಸಿ

Course Code: 22KAN402	Course Title: ಕನ್ನಡಭಾಷೆ - 4
Course Credits (L:T:P): 03 (2:1:0)	Hours of Teaching/Week: 02 (Theory) + 02 (Tutorials)
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2 $\frac{1}{2}$ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22KAN402			
CO1	2.4	2.74	2.43
CO2	2.4	2.59	2.42
CO3	2.4	2.74	2.43
CO4	0	2.78	0.28
Average CO Attainment			1.46

Course Code	Program Outcomes											
22KAN402	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	3	2.5	2	2	3	2.66	3	2	2	1.5	2.75
PO Attainment	1.46	1.46	1.22	0.97	0.97	1.46	1.29	1.46	0.97	0.97	0.73	1.34

Semester 1

ಬಿ.ಕಾಂ

Course Code: 22KAN103	Course Title: ಕನ್ನಡಭಾಷೆ - 1
Course Credits (L:T:P): 03 (2:1:0)	Hours of Teaching/Week: 02 (Theory) + 02 (Tutorials)
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: $2\frac{1}{2}$ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22KAN103			
CO1	2.4	2.69	2.43
CO2	2.4	2.43	2.4
CO3	2.4	2.73	2.43
CO4	0	2.37	0.24
Average CO Attainment			1.45

Course Code	Program Outcomes											
22KAN103	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	3	2.25	2	1.75	3	2.25	3	1.66	2	1.66	2.25
PO Attainment	1.45	1.45	1.09	0.97	0.85	1.45	1.09	1.45	0.8	0.97	0.8	1.09

Semester 2

ಬಿ.ಕಾಂ

Course Code: 22KAN203	Course Title: ಕನ್ನಡಭಾಷೆ - 2
Course Credits (L:T:P): 03 (2:1:0)	Hours of Teaching/Week: 02 (Theory) + 02 (Tutorials)
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2 $\frac{1}{2}$ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22KAN 203			
CO1	2.4	2.77	2.44
CO2	2.4	2.57	2.42
CO3	2.4	2.79	2.44
CO4	0	2.57	0.26
Average CO Attainment			1.46

Course Code	Program Outcomes											
22KAN 203	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weight ed Average	3	3	2.75	2.25	1.75	2.75	3	3	2	1.75	2.5	2.25
PO Attainment	1.46	1.46	1.34	1.1	0.85	1.34	1.46	1.46	0.97	0.85	1.22	1.1

Semester 3

ಬಿ.ಕಾಂ

Course Code: 22KAN303	Course Title: ಕನ್ನಡಭಾಷೆ - 3
Course Credits (L:T:P): 03 (2:1:0)	Hours of Teaching/Week: 02 (Theory) + 02 (Tutorials)
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: $2\frac{1}{2}$ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22KAN303			
CO1	1.8	2.44	1.86
CO2	1.8	2.4	1.86
CO3	1.8	2.24	1.84
CO4	0	2.28	0.23
Average CO Attainment			1.11

Course Code	Program Outcomes											
22KAN303	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	3	2.25	2.75	2.25	3	1.66	3	2.5	3	3	3
PO Attainment	1.11	1.11	0.83	1.02	0.83	1.11	0.61	1.11	0.93	1.11	1.11	1.11

Semester 4

ಬಿ.ಕಾಂ

Course Code: 22KAN403	Course Title: ಕನ್ನಡಭಾಷೆ 4
Course Credits (L:T:P): 03 (2:1:0)	Hours of Teaching/Week: 02 (Theory) + 02 (Tutorials)
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: $2\frac{1}{2}$ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22KAN403			
CO1	2.4	2.36	2.4
CO2	2.4	2.44	2.4
CO3	2.4	2.5	2.41
CO4	0	2.44	0.24
Average CO Attainment			1.44

Course Code	Program Outcomes											
22KAN403	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	3	2.75	2.25	2	3	2.33	3	2	1.75	1.66	3
PO Attainment	1.44	1.44	1.32	1.08	0.96	1.44	1.12	1.44	0.96	0.84	0.8	1.44

Semester 1

ಬಿ.ಬಿ.ಎ

Course Code: 22KAN104	Course Title: ಕನ್ನಡಭಾಷೆ - 1
Course Credits (L:T:P): 03 (2:1:0)	Hours of Teaching/Week: 02 (Theory) + 02 (Tutorials)
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2 $\frac{1}{2}$ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22KAN104			
CO1	2.4	2.24	2.38
CO2	2.4	2.52	2.41
CO3	2.4	2.38	2.4
CO4	0	2.43	0.24
Average CO Attainment			1.44

Course Code	Program Outcomes											
22KAN104	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	3	2.75	2.5	2.5	3	2.33	3	2	2.75	2.25	2
PO Attainment	1.44	1.44	1.32	1.2	1.2	1.44	1.12	1.44	0.96	1.32	1.08	0.96

Semester 2

ಬಿ.ಬಿ.ಎ

Course Code: 22KAN204	Course Title: ಕನ್ನಡಭಾಷೆ 2
Course Credits (L:T:P): 03 (2:1:0)	Hours of Teaching/Week: 02 (Theory) + 02 (Tutorials)
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: $2\frac{1}{2}$ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22KAN204			
CO1	2.4	2.75	2.44
CO2	2.4	2.25	2.39
CO3	2.4	2.54	2.41
CO4	0	2.5	0.25
Average CO Attainment			1.45

Course Code	Program Outcomes											
22KAN204	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	3	3	2.5	2	3	2	2.75	2	2	1.75	2
PO Attainment	1.45	1.45	1.45	1.21	0.97	1.45	0.97	1.33	0.97	0.97	0.85	0.97

Semester 3

ಬಿ.ಬಿ.ಎ

Course Code: 22KAN304	Course Title: ಕನ್ನಡಭಾಷೆ 3
Course Credits (L:T:P): 03 (2:1:0)	Hours of Teaching/Week: 02 (Theory) + 02 (Tutorials)
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2 $\frac{1}{2}$ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22KAN304			
CO1	2.4	2.59	2.42
CO2	2.4	2.41	2.4
CO3	2.4	2.53	2.41
CO4	0	2.59	0.26
Average CO Attainment			1.45

Course Code	Program Outcomes											
22KAN304	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	3	3	2.5	2.25	3	2.66	3	2.25	2.25	2	3
PO Attainment	1.45	1.45	1.45	1.21	1.09	1.45	1.29	1.45	1.09	1.09	0.97	1.45

Semester 4

ಬಿ.ಬಿ.ಎ

Course Code: 22KAN404	Course Title: ಕನ್ನಡಭಾಷೆ - 4
Course Credits (L:T:P): 03 (2:1:0)	Hours of Teaching/Week: 02 (Theory) + 02 (Tutorials)
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: $2\frac{1}{2}$ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22KAN404			
CO1	2.4	2.51	2.41
CO2	2.4	2.72	2.43
CO3	2.4	2.44	2.4
CO4	0	2.63	0.26
Average CO Attainment			1.45

Course Code	Program Outcomes											
22KAN404	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	3	3	2.25	2.5	3	2.5	3	2.25	3	2	3
PO Attainment	1.45	1.45	1.45	1.09	1.21	1.45	1.21	1.45	1.09	1.45	0.97	1.45

Semester 1

ಬಿ.ಸಿ.ಎ

Course Code: 22KAN105	Course Title: ಕನ್ನಡಭಾಷೆ - 1
Course Credits (L:T:P): 03 (2:1:0)	Hours of Teaching/Week: 02 (Theory) + 02 (Tutorials)
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: $2\frac{1}{2}$ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22KAN105			
CO1	2.4	2.54	2.41
CO2	2.4	2.48	2.41
CO3	2.4	2.44	2.4
CO4	0	2.45	0.25
Average CO Attainment			1.44

Course Code	Program Outcomes											
22KAN105	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	2.5	2.5	2	2.25	3	2.5	2.66	2	1.75	1.66	2
PO Attainment	1.44	1.2	1.2	0.96	1.08	1.44	1.2	1.28	0.96	0.84	0.8	0.96

Semester 2

ಬಿ.ಸಿ.ಎ

Course Code: 22KAN205	Course Title: ಕನ್ನಡಭಾಷೆ - 2
Course Credits (L:T:P): 03 (2:1:0)	Hours of Teaching/Week: 02 (Theory) + 02 (Tutorials)
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: $2\frac{1}{2}$ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22KAN 205			
CO1	2.4	2.56	2.42
CO2	2.4	2.66	2.43
CO3	2.4	2.63	2.42
CO4	0	2.56	0.26
Average CO Attainment			1.45

Course Code	Program Outcomes											
22KAN 205	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	3	2	2	2.25	2.75	3	2.75	2.5	2	3	2
PO Attainment	1.45	1.45	0.97	0.97	1.09	1.33	1.45	1.33	1.21	0.97	1.45	0.97

Semester 3

ಬಿ.ಸಿ.ಎ

Course Code: 22KAN305	Course Title: ಕನ್ನಡಭಾಷೆ - 3
Course Credits (L:T:P): 03 (2:1:0)	Hours of Teaching/Week: 02 (Theory) + 02 (Tutorials)
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: $2\frac{1}{2}$ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22KAN305			
CO1	2.4	2.57	2.42
CO2	2.4	2.52	2.41
CO3	2.4	2.48	2.41
CO4	0	2.39	0.24
Average CO Attainment			1.45

Course Code	Program Outcomes											
22KAN305	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	3	3	2	2.25	3	3	3	1.75	2	2.25	3
PO Attainment	1.45	1.45	1.45	0.97	1.09	1.45	1.45	1.45	0.85	0.97	1.09	1.45

Semester 4

ಬಿ.ಸಿ.ಎ

Course Code: 22KAN405	Course Title: ಕನ್ನಡಭಾಷೆ 4
Course Credits (L:T:P): 03 (2:1:0)	Hours of Teaching/Week: 02 (Theory) + 02 (Tutorials)
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: $2\frac{1}{2}$ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22KAN 405			
CO1	2.4	2.76	2.44
CO2	2.4	2.71	2.43
CO3	2.4	2.78	2.44
CO4	0	2.75	0.28
Average CO Attainment			1.46

Course Code	Program Outcomes											
22KAN 405	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	3	3	2	1.66	3	2.75	3	2	2	1.5	3
PO Attainment	1.46	1.46	1.46	0.97	0.81	1.46	1.34	1.46	0.97	0.97	0.73	1.46

Semester 1
ಕನ್ನಡ ಮುಕ್ತ ಆಯ್ಕೆ

Course Code: 22OEKAN101	Course Title: ಕನ್ನಡ ವ್ಯಾಕರಣ
Course Credits (L:T:P): 03 (3:0:0)	Hours of Teaching/Week: 03 (Theory)
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Exam Duration: 2 $\frac{1}{2}$ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22OEK AN101			
CO1	2.4	2.92	2.45
CO2	2.4	2.83	2.44
CO3	2.4	2.75	2.44
CO4	0	2.83	0.28
Average CO Attainment			1.47

Course Code	Program Outcomes											
22OEKAN 101	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	2.25	2	2	1.5	2	1	1.25	1.75	2	2	2
PO Attainment	1.47	1.1	0.98	0.98	0.74	0.98	0.49	0.61	0.86	0.98	0.98	0.98

Semester 2
ಕನ್ನಡ ಮುಕ್ತ ಆಯ್ಕೆ

Course Code : 22OEKAN201	Course Title: ಆಡಳಿತಾತ್ಮಕ ಕನ್ನಡ
Course Credits (L:T:P): 03 (3:0:0)	Hours of Teaching/Week: 03 (Theory)
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Exam Duration: 2 $\frac{1}{2}$ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22OEKAN201			
CO1	2.4	2.5	2.41
CO2	2.4	2.25	2.39
CO3	2.4	2.5	2.41
CO4	0	2.75	0.28
Average CO Attainment			1.44

Course Code	Program Outcomes											
22OEKAN01	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	1.5	2.5	1.5	2	1.5	1.5	1.25	1.75	2.25	1.75	2
PO Attainment	1.44	0.72	1.2	0.72	0.96	0.72	0.72	0.6	0.84	1.08	0.84	0.96

Semester 3

ಕನ್ನಡ ಮುಕ್ತ ಆಯ್ಕೆ

Course Code: 22OEKAN301	Course Title: ಆಧುನಿಕ ಪೂರ್ವ ಕನ್ನಡ ಸಾಹಿತ್ಯ ಪರಿಚಯ ಮತ್ತು ಪಠ್ಯ
Course Credits (L:T:P): 03 (3:0:0)	Hours of Teaching/Week: 03 (Theory)
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Exam Duration: $2\frac{1}{2}$ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22OEK AN301			
CO1	2.4	2.89	2.45
CO2	2.4	2.89	2.45
CO3	2.4	2.89	2.45
CO4	0	2.89	0.29
Average CO Attainment			1.47

Course Code	Program Outcomes											
22OEK AN301	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	2.25	1.75	2.25	2	2	2	2.25	1.75	2	2	2
PO Attainment	1.47	1.1	0.86	1.1	0.98	0.98	0.98	1.1	0.86	0.98	0.98	0.98

Skill Enhancement Course Cultural

II semester - Cultural

Course Code: 22CUL95	Course Title: Cultural
Course Credits (L:T:P): 02 (0:0:2)	Teaching Hours/Week: 04 Hours
Total Contact Hours: 56 Hours	Formative Assessment: 20 Marks
Exam Duration: 1 Hour (Practical)	Semester End Examination: 30 Marks

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22CUL95			
CO1	1.5	2.89	1.64
CO2	1.5	2.74	1.62
CO3	1.5	2.63	1.61
CO4	0	2.11	0.21
Average CO Attainment			0.97

Course Code	Program Outcomes											
22CUL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	3	1	2	-	1	2	1	3	3	3	1	3
PO Attainment	0.97	0.32	0.65	#VALUE!	0.32	0.65	0.32	0.97	0.97	0.97	0.32	0.97

DEPARTMENT OF SANSKRIT

AECC (1) Syllabus for BA/Bsc/BCA SANSKRIT

Course Code: BA/BSc/BCA – 21SAN109	Course Type & Title: AECC(1) Sanskrit Poetry, Grammar and Comprehension
Course Credits (L:T:P): 3 (2:1:0)	No. of Teaching Hours/Week: 02 Hours (Theory) 02 Hours (Tutorials)
Total Contact Hours: 28 Hours (Theory) 28 Hours (Tutorials)	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21SAN109			
CO1	2.4	2.4	2.4
CO2	3	2.6	2.96
CO3	2.4	2.53	2.41
CO4	0	2.4	0.24
Average CO Attainment			1.55

Coures Code	Program Outcomes											
21SAN109	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2	2	1	1	1	1.75	1	2.22	1.25	2	1	2
PO Attainment	1.03	1.03	0.52	0.52	0.52	0.9	0.52	1.15	0.65	1.03	0.52	1.03

AECC (2) Syllabus for BA/Bsc/BCA SANSKRIT

Course Code: BA/BSc/BCA - 21SAN209	Course Type & Title: AECC(2)) Sanskrit Prose, Grammar and Translation
Course Credits (L:T:P): 3 (2:1:0)	No. of Teaching Hours/Week: 02 Hours (Theory) 02 Hours (Tutorials)
Total Contact Hours: 28 Hours (Theory) 28 Hours (Tutorials)	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21SAN209			
CO1	2.4	2.43	2.4
CO2	2.4	2.52	2.41
CO3	2.4	2.48	2.41
CO4	0	2.24	0.22
Average CO Attainment			1.44

Coures Code	Program Outcomes											
21SAN209	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2	2	1	1	1	1.75	1	2.22	1.25	2	1	2

AECC (1) Syllabus for B.Com/BBA/BBA(H&H) BBA (Avi&In.Tour) SANSKRIT

Semester I Course Code: BCom/BBA (All) – 21SAN110	Course Title: AECC(1) Sanskrit Poetry, Grammar and Comprehension
Course Credits (L:T:P): 3 (2:1:0)	No. of Teaching Hours/Week: 02 Hours (Theory) 02 Hours (Tutorials)
Total Contact Hours: 28 Hours (Theory) 28 Hours (Tutorials)	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21SAN110			
CO1	3	2.67	2.97
CO2	3	2.33	2.93
CO3	2.4	2.67	2.43
CO4	0	4.33	0.43
Average CO Attainment			1.67

Coures Code	Program Outcomes											
21SAN110	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2	2.2	1	1	1	1.75	1	2.22	1.25	2	1	2
PO Attainment	1.11	1.22	0.56	0.56	0.56	0.97	0.56	1.24	0.7	1.11	0.56	1.11

AECC (2) Syllabus for B.Com/BBA/BBA(H&H) BBA (Avi&In.Tour) SANSKRIT

Course Code: BCom/BBA (All)– 21SAN210	Course Type & Title: AECC(2) Sanskrit Prose, Grammar and Translation
Course Credits (L:T:P): 3 (2:1:0)	No. of Teaching Hours/Week: 02 Hours (Theory) 02 Hours (Tutorials)
Total Contact Hours: 28 Hours (Theory) 28 Hours (Tutorials)	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21SAN210			
CO1	3	0.8	2.78
CO2	3	0.9	2.79
CO3	2.4	0.7	2.23
CO4	0	0.7	0.07
Average CO Attainment			1.56

Coures Code	Program Outcomes											
21SAN210	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	1.75	2	1	1	1	1.8	1	2.22	1.25	2	1	2
PO Attainment	0.91	1.04	0.52	0.52	0.52	0.9	0.52	1.15	0.65	1.04	0.52	1.04

AECC (3) Syllabus for BA/Bsc/BCA SANSKRIT

Course Code: BA/BSc/BCA – 22SAN309	Course Type & Title: AECC(3) Sanskrit Champu Kavya and Grammer
Course Credits (L:T:P): 3 (2:1:0)	No. of Teaching Hours/Week: 02 Hours (Theory) 02 Hours (Tutorials)
Total Contact Hours: 28 Hours (Theory) 28 Hours (Tutorials)	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22SAN309			
CO1	3	2.92	2.99
CO2	3	2.83	2.98
CO3	2.4	2.92	2.45
CO4	0	2.75	0.28
Average CO Attainment			1.68

Coures Code	Program Outcomes											
22SAN309	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2	2	1	1	1	1.75	1	2.22	1.25	2	2	2
PO Attainment	1.12	1.12	0.56	0.56	0.56	0.98	0.56	1.24	0.7	1.12	1.12	1.12

AECC (3) Syllabus for B.Com/BBA/BBA(H&H) BBA (AIR& TR)SANSKRIT

Course Code: BCom/BBA (All) – 22SAN310	Course Type & Title: AECC(3) Sanskrit Champu Kavya and Grammer
Course Credits (L:T:P): 3 (2:1:0)	No. of Teaching Hours/Week: 02 Hours (Theory) 02 Hours (Tutorials)
Total Contact Hours: 28 Hours (Theory) 28 Hours (Tutorials)	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22SAN410			
CO1	3	2.36	2.94
CO2	3	2.5	2.95
CO3	2.4	2.43	2.4
CO4	0	2.36	0.24
Average CO Attainment			1.66

Coures Code	Program Outcomes											
22SAN410	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2	2	1	1	1	1.75	1	2.22	1.25	2	1	2
PO Attainment	1.11	1.11	0.55	0.55	0.55	0.97	0.55	1.23	0.69	1.11	0.55	1.11

AECC (4) Syllabus for BA/Bsc/BCA SANSKRIT

Course Code: BA/BSc/BCA – 22SAN409	Course Type & Title: AECC(4) Sanskrit Drama and Dramaturgy and छन्दः
Course Credits (L:T:P): 3 (2:1:0)	No. of Teaching Hours/Week: 02 Hours (Theory) 02 Hours (Tutorials)
Total Contact Hours: 28 Hours (Theory) 28 Hours (Tutorials)	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22SAN409			
CO1	2.4	2.73	2.43
CO2	2.4	2.73	2.43
CO3	2.4	2.82	2.44
CO4	0	2.73	0.27
Average CO Attainment			1.46

Coures Code	Program Outcomes											
22SAN409	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2	2	1	1	1	1.75	1	2.22	1.25	2	1	2
PO Attainment	0.97	0.97	0.49	0.49	0.49	0.85	0.49	1.08	0.61	0.97	0.49	0.97

AECC (4) Syllabus for B.Com/BBA/BBA(H&H) BBA (AIR& TR)SANSKRIT

Course Code BCom/BBA (All) – 22SAN410	Course Type & Title: AECC(4) Sanskrit Drama and Dramaturgy and छन्दः
Course Credits (L:T:P): 3 (2:1:0)	No. of Teaching Hours/Week: 02 Hours (Theory) 02 Hours (Tutorials)
Total Contact Hours: 28 Hours (Theory) 28 Hours (Tutorials)	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Code	Direct	Indirect	CO
22SAN410	Attainment	Attainment	Attainment
CO1	2.4	2.42	2.4
CO2	2.4	2.25	2.39
CO3	2.4	2.42	2.4
CO4	0	2.33	0.23
Average CO Attainment			1.44

Coures Code	Program Outcomes											
22SAN410	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2	2	1	1	1	1.75	1	2.22	1.25	2	1	2
PO Attainment	0.96	0.96	0.48	0.48	0.48	0.84	0.48	1.07	0.6	0.96	0.48	0.96

DEPARTMENT OF PHYSICAL EDUCATION

Semester- I/II

Skill Enhancement Courses

Course Code: 22HWY94	Course Title: Health, Wellness and Yoga
Course Credits (L:T:P): 02 (0:0:2)	Teaching Hours/Week: 04 Hours
Total Contact Hours: 56 Hours	Formative Assessment Marks: 20
Exam Duration: 1 Hour (Practical)	Semester End Examination Marks: 30

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22HWY94			
CO1	2.4	2.45	2.41
CO2	2.4	2.52	2.41
CO3	1.8	2.6	1.88
Average CO Attainment			2.23

Coures Code	Program Outcomes											
22HWY94	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2.33	1	1	2	2.33	3	1	2	2.66	3	1	2
PO Attainment	1.73	0.74	0.74	1.49	1.73	2.23	0.74	1.49	1.98	2.23	0.74	1.49

DEPARTMENT OF NCC

Semester-I/II/III/IV

Skill Enhancement Courses (SEC)

Course Code: 22NCC94	Course Title: NCC
Course Credits (L:T:P): 02 (0:0:2)	Teaching Hours/Week: 04 Hours
Total Contact Hours: 56 Hours	Formative Assessment Marks: 25
Exam Duration: 1 Hour (Practical)	Semester End Examination Marks: 25

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22NCC94			
CO1	1.5	2.64	1.61
CO2	1.5	2.59	1.61
CO3	1.5	2.62	1.61
Average CO Attainment			1.61

Coures Code	Program Outcomes											
22NCC94	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2	1	1	1	1	1.6	1.6	2	2.6	2	1	2
PO Attainment	1.07	0.54	0.54	0.54	0.54	0.86	0.86	1.07	1.4	1.07	0.54	1.07

DEPARTMENT OF NSS

I SEMESTER

SKILL ENHANCEMENT COURSE

Course Code: 22NSS94	Course Title: National Service Scheme-(NSS)
Course Credits: 02 (L:T:P): (0:0:2)	Teaching Hours/Week: 04 Hours
Total Contact Hours: 56 Hours	Formative Assessment Marks: C1-10, C2-10 = 20 Marks
Exam Duration: 1 Hour	Semester End Examination : 30 Marks

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22NSS94			
CO1	3	2.52	2.95
CO2	3	2.66	2.97
CO3	3	2.68	2.97
CO4	0	2.71	0.27
Average CO Attainment			2.29

Coures Code	Program Outcomes											
22NSS94	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	1.75	2.25	1.5	1	1	3	3	2.75	3	2.25	1.25	2.75
PO Attainment	1.34	1.72	1.15	0.76	0.76	2.29	2.29	2.1	2.29	1.72	0.95	2.1

II SEMESTER

SKILL ENHANCEMENT COURSE

Course Code: 22NSS94	Course Title: National Service Scheme-(NSS)
Course Credits: 02 (L:T:P): (0:0:2)	Teaching Hours/Week: 04 Hours
Total Contact Hours: 56 Hours	Formative Assessment Marks: C1-10, C2-10 = 20 Marks
Exam Duration: 1 Hour	Semester End Examination : 30 Marks

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22NSS94			
CO1	3	2.7	2.97
CO2	3	2.52	2.95
CO3	3	2.55	2.96
CO4	0	2.51	0.25
Average CO Attainment			2.28

Coures Code	Program Outcomes											
22NSS94	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	1.75	2.25	1.5	1	1	3	3	2.75	3	2.25	1.25	2.75
PO Attainment	1.33	1.71	1.14	0.76	0.76	2.28	2.28	2.09	2.28	1.71	0.95	2.09

III SEMESTER

SKILL ENHANCEMENT COURSE

Course Code: 22NSS94	Course Title: National Service Scheme-(NSS)
Course Credits: 02 (L:T:P): (0:0:2)	Teaching Hours/Week: 04 Hours
Total Contact Hours: 56 Hours	Formative Assessment Marks: C1-10, C2-10 = 20 Marks
Exam Duration: 1 Hour	Semester End Examination : 30 Marks

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22NSS94			
CO1	3	2.52	2.95
CO2	3	2.56	2.96
CO3	3	2.56	2.96
CO4	0	2.53	0.25
Average CO Attainment			2.28

Coures Code	Program Outcomes											
22NSS94	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	1.75	2.25	1.5	1	1	3	3	2.75	3	2.25	1.25	2.75
PO Attainment	1.33	1.71	1.14	0.76	0.76	2.28	2.28	2.09	2.28	1.71	0.95	2.09

IV SEMESTER

SKILL ENHANCEMENT COURSE

Course Code: 22NSS94	Course Title: National Service Scheme-(NSS)
Course Credits: 02 (L:T:P): (0:0:2)	Teaching Hours/Week: 04 Hours
Total Contact Hours: 56 Hours	Formative Assessment Marks: C1-10, C2-10 = 20 Marks
Exam Duration: 1 Hour	Semester End Examination : 30 Marks

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22NSS94			
CO1	3	2.56	2.96
CO2	3	2.7	2.97
CO3	3	2.7	2.97
CO4	0	2.66	0.27
Average CO Attainment			2.29

Coures Code	Program Outcomes											
22NSS94	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	1.75	2.25	1.5	1	1	3	3	2.75	3	2.25	1.25	2.75
PO Attainment	1.34	1.72	1.15	0.76	0.76	2.29	2.29	2.1	2.29	1.72	0.95	2.1

DEPARTMENT OF RANGERS AND ROVERS

Skill Enhancement Courses (SEC): for semester I/II/III/IV

SEC Module

Course Code: 22RNR94	Course Title: Rangers and Rovers
Course Credits: 02 (0:0:2)	Hours of Teaching/Week: 4 Hour (Practical)
Total Contact Hours: 56 Hours	Formative Assessment Marks: 20
Exam Duration: 1 Hour (Practical)	Semester End Examination Marks: 30

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
0			
CO1	3	2.67	2.97
Average CO Attainment			2.97

Coures Code	Program Outcomes											
0	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2	1	1	1	1	2	3	3	2	2	1	2
PO Attainment	1.98	0.99	0.99	0.99	0.99	1.98	2.97	2.97	1.98	1.98	0.99	1.98

DEPARTMENT OF ENVIRONMENTAL SCIENCE

ABILITY ENHANCEMENT COMPULSORY COURSE:AECC for All Courses

Environmental Studies for all I/II Semester B.A./BCA/ B.Com./B.B.A/B.Sc/BBA (H&H)/BBA (A&Intl.T)

Course Code: 22EVSF26	Course Title: Environmental Studies
Course Credits: 03 (3:0:0)	Hours of Teaching/Week: 3 Hour (Theory)
Total Contact Hours: 45 Hours (Class room based and Field work)	Formative Assessment Marks: 40
Exam Duration: 2 Hour 30 Minutes(Theory)	Semester End Examination Marks: 60

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21EVSF26			
CO1	3	2.58	2.96
CO2	3	2.58	2.96
CO3	3	2.55	2.96
Average CO Attainment			2.96

Course Code	Program Outcomes											
21EVSF26	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average	2.33	1.7	1	1.33	1.7	2	3	2.7	2	2	1	3
PO Attainment	2.3	1.68	0.99	1.31	1.68	1.97	2.96	2.66	1.97	1.97	0.99	2.96

**2.6.2 ATTAINMENT OF PROGRAMME OUTCOMES
AND COURSE OUTCOMES AS EVALUATED BY THE
INSTITUTION
POST GRADUATE**

**Department of Studies
in
Business Administration**

Outcome - Based Education

SEMESTER – 1

1.1. 21C101 - Management Theory & Practices

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21C101			
CO1	2.55	2.58	2.55
CO2	2.55	2.61	2.56
CO3	2.55	2.56	2.55
CO4	2.55	2.48	2.54
CO5	2.55	2.48	2.54
Average CO Attainment			2.548

Course Code	Program Outcomes											
21C101	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	2.4	2	2.25	2	2.4	1.6	1.5	1.5	3	2	3	2.5
PO Attainment	2.04	1.7	1.91	1.7	2.04	1.36	1.27	1.27	2.55	1.7	2.55	2.12

1.2. 21C102 - Organization Behaviour

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21C102			
CO1	2.55	2.78	2.57
CO2	2.55	2.69	2.56
CO3	2.55	2.62	2.56
CO4	2.55	2.64	2.56
CO5	2.8	2.56	2.78
Average CO Attainment			2.56

Course Code	Program Outcomes											
21C102	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	2.6	2.6	3	2.6	2.8	2.6	2.2	1	3	1	1.8	2.4
PO Attainment	2.22	2.22	2.56	2.22	2.39	2.22	1.88	0.85	2.56	0.85	1.54	2.05

1.3. 21C103 - Corporate Economics

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21C103			
CO1	2.55	2.49	2.54
CO2	2.55	2.45	2.54
CO3	2.55	2.5	2.55
CO4	2.55	2.46	2.54
CO5	2.55	2.37	2.53
Average CO Attainment			2.54

Course Code	Program Outcomes											
21C103	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	2.8	2.2	2.4	2.4	2.4	2.8	2.6	2.4	2.8	2.2	2.6	2.6
PO Attainment	2.37	1.86	2.03	2.03	2.03	2.37	2.2	2.03	2.37	1.86	2.2	2.2

1.4. 21C104 - Accounting for Managers

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21C104			
CO1	2.55	2.5	2.55
CO2	2.55	2.53	2.55
CO3	2.55	2.42	2.54
CO4	2.55	2.47	2.54
CO5	2.55	2.5	2.55
Average CO Attainment			2.55

Course Code	Program Outcomes											
21C104	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	2	3	2.6	2.6	1	1	1.8	2	3	2.8	2
PO Attainment	2.55	1.7	2.55	2.21	2.21	0.85	0.85	1.53	1.7	2.55	2.38	1.7

1.5. C21105 - Business Communication

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21C105			
CO1	3	2.47	2.95
CO2	3	2.56	2.96
Average CO Attainment			2.96

Course Code	Program Outcomes											
21C105	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	2.5	2.5	2.5	2.5	2.5	2	2.5	2	2.5	2	3	2.5
PO Attainment	2.46	2.46	2.46	2.46	2.46	1.97	2.46	1.97	2.46	1.97	2.96	2.46

1.6. C21106 - Statistics for Managers

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21C106			
CO1	2.55	2.51	2.55
CO2	2.55	2.47	2.54
CO3	2.55	2.21	2.52
CO4	2.55	2.43	2.54
CO5	2.55	2.34	2.53
Average CO Attainment			2.54

Course Code	Program Outcomes											
21C106	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	1	3	2	3	2	1	1	0	0	1	2	1
PO Attainment	0.85	2.54	1.69	2.54	1.69	0.85	0.85	0	0	0.85	1.69	0.85

1.7. C21107 - Computer Application for Managers

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21C107			
CO1	1.35	2.35	1.45
CO2	1.35	2.34	1.45
Average CO Attainment			1.45

Course Code	Program Outcomes											
21C107	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	2.5	2.5	2	3	3	2	2.5	2	2.5	2.5	3	2.5
PO Attainment	1.21	1.21	0.97	1.45	1.45	0.97	1.21	0.97	1.21	1.21	1.45	1.21

1.8. C21108 - Skill Development 1

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21C108			
CO1	1.5	2.56	1.61
CO2	1.5	2.41	1.59
Average CO Attainment			1.60

Course Code	Program Outcomes											
21C108	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	2.5	0	0.5	0.5	0	0	0	0.8	0.6	1.2	0.6	0.8
PO Attainment	1.33	0	0.27	0.27	0	0	0	0.43	0.32	0.64	0.32	0.43

SEMESTER 2

2.1. C21201 - Marketing Management

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21C201			
CO1	2.55	2.22	2.52
CO2	2.55	2.19	2.51
Average CO Attainment			2.52

Course Code	Program Outcomes											
21C201	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	2.5	2.5	1.5	3	3	2	2	2	2.3	2	3	2.5
PO Attainment	2.1	2.1	1.26	2.52	2.52	1.68	1.68	1.68	1.93	1.68	2.52	2.1

2.2. C21202 - Human Resource Management

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21C202			
CO1	2.55	1.99	2.49
CO2	2.55	2.05	2.5
CO3	2.55	2.04	2.5
CO4	2.55	2.07	2.5
CO5	2.1	2.03	2.09
Average CO Attainment			2.5

Course Code	Program Outcomes											
21C202	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	2.7	2.75	2.5	2.75	2.4	0	2.2	2.8	2.75	2.2	2.5
PO Attainment	2.5	2.25	2.29	2.08	2.29	2	0	1.83	2.33	2.29	1.83	2.08

2.3. C21203 - Corporate Finance

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21C203			
CO1	2.55	2.05	2.5
CO2	2.55	2.24	2.52
CO3	2.55	2.12	2.51
CO4	2.55	2.26	2.52
CO5	2.55	2.35	2.53
Average CO Attainment			2.01

Course Code	Program Outcomes											
21C203	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	2	3	2.8	2.8	1	1	3	1.6	1.6	1.8	1
PO Attainment	2.01	1.34	2.01	1.88	1.88	0.67	0.67	2.01	1.07	1.07	1.21	0.67

2.4. C21204 - Business Research Methods

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21C204			
CO1	2.55	2.07	2.5
CO2	2.55	2	2.5
CO3	2.55	2.17	2.51
CO4	2.55	1.85	2.48
CO5	2.1	2	2.09
Average CO Attainment			2.5

Course Code	Program Outcomes											
21C204	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	2	2.8	3	3	2.6	1.2	1	1	1.5	1.5	1	2
PO Attainment	1.67	2.33	2.5	2.5	2.17	1	0.83	0.83	1.25	1.25	0.83	1.67

2.5. C21205 - Operations Management

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21C205			
CO1	3	1.93	2.89
CO2	3	1.99	2.9
Average CO Attainment			1.93

Course Code	Program Outcomes											
21C205	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	2.5	2.5	2	3	3	2	3	2	3	3	3	2
PO Attainment	1.61	1.61	1.29	1.93	1.93	1.29	1.93	1.29	1.93	1.93	1.93	1.29

2.6. C21206 - Legal Aspects of Business

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21C206			
CO1	2.55	2.14	2.51
CO2	2.55	1.9	2.49
CO3	2.55	1.82	2.48
CO4	2.55	1.76	2.47
CO5	2.55	1.8	2.48
Average CO Attainment			1.5

Coures Code	Program Outcomes											
21C206	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	2.8	3	2.4	2.4	2	2	1.8	2.6	2.5	1	2.2	2
PO Attainment	1.4	1.5	1.2	1.2	1	1	0.9	1.3	1.25	0.5	1.1	1

2.7. C21207 - Skill Development 2

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21C207			
CO1	1.35	2.03	1.42
CO2	1.35	2.07	1.42
Average CO Attainment			1.42

Course Code	Program Outcomes											
21C207	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	2.5	2.5	2	3	3	2	2	2	3	2	3	2.5
PO Attainment	1.18	1.18	0.95	1.42	1.42	0.95	0.95	0.95	1.42	0.95	1.42	1.18

SEMESTER 3

3.1. 21C301 - Strategic Management

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21C301			
CO1	2.55	2.32	2.53
CO2	2.55	2.38	2.53
Average CO Attainment			2.53

Course Code	Program Outcomes											
21C301	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	2.5	3	1	2.5	2.5	1.5	2.5	1.5	2.5	2	3	2.5
PO Attainment	2.11	2.53	0.84	2.11	2.11	1.27	2.11	1.27	2.11	1.69	2.53	2.11

3.2. 21C302 - Entrepreneurship & Quality Management

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21C302			
CO1	2.55	2.68	2.56
CO2	2.55	2.72	2.57
Average CO Attainment			2.57

Course Code	Program Outcomes											
21C302	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	2	1.5	3	2.5	1.5	2.5	1.5	2.5	2.5	3	2.5
PO Attainment	2.57	1.71	1.29	2.57	2.14	1.29	2.14	1.29	2.14	2.14	2.57	2.14

3.3. 21C313 Skill Development 3

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
212C313			
CO1	1.35	2.53	1.47
CO2	1.35	2.42	1.46
Average CO Attainment			1.47

Course Code	Program Outcomes											
212C313	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	2	2	1.5	1	1.75	1	1	1	1.5	1.5	1	2
PO Attainment	0.98	0.98	0.74	0.49	0.86	0.49	0.49	0.49	0.74	0.74	0.49	0.98

Marketing Management

3.4. 21C3M1 – Consumer Behaviour

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21C3M1			
CO1	2.55	2.78	2.57
CO2	2.55	2.89	2.58
Average CO Attainment			2.58

Course Code	Program Outcomes											
21C3M1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	1.67	1.67	1	2	2	1.33	1.33	1.33	1.67	1.33	2	1.67
PO Attainment	1.44	1.44	0.86	1.72	1.72	1.14	1.14	1.14	1.44	1.14	1.72	1.44

3.5. 21C3M2 – Sales & Logistic Management

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21C3M2			
CO1	2.55	2.22	2.52
CO2	2.55	2.33	2.53
Average CO Attainment			2.53

Coures Code	Program Outcomes											
21C3M2	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	2.5	2.5	2.5	2.5	2	2	2.5	2	2.5	2	3	2.5
PO Attainment	2.11	2.11	2.11	2.11	1.69	1.69	2.11	1.69	2.11	1.69	2.53	2.11

3.6. 21C3M3 – Advertising & Sales Promotion

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21C3H3			
CO1	2.55	2.22	2.52
CO2	2.55	2.56	2.55
Average CO Attainment			2.54

Course Code	Program Outcomes											
21C3H3	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	1.67	1.67	1.33	2	2	1.33	1.67	1.33	1.67	1.67	2	1.67
PO Attainment	1.41	1.41	1.13	1.69	1.69	1.13	1.41	1.13	1.41	1.41	1.69	1.41

3.7. 21C3F1 – Strategic Financial Management

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21C3F1			
CO1	3	2.67	2.97
CO2	2.55	2.69	2.56
CO3	2.55	2.73	2.57
CO4	2.55	2.81	2.58
CO5	2.55	2.42	2.54
Average CO Attainment			2.14

Course Code	Program Outcomes											
21C3F1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	2	2	1.5	1	1.75	1	1	1	1.5	1.5	1	2
PO Attainment	1.43	1.43	1.07	0.71	1.25	0.71	0.71	0.71	1.07	1.07	0.71	1.43

3.8. 21C3F2 – Financial Market & Services

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21C3F2			
CO1	2.55	2.76	2.57
CO2	2.55	2.58	2.55
CO3	2.55	2.73	2.57
CO4	2.55	2.73	2.57
Average CO Attainment			2.57

Course Code	Program Outcomes											
21C3F2	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	2.25	1.25	1.25	1	1.25	1.25	1.75	1.5	1	1.25	1.75	1.5
PO Attainment	1.93	1.07	1.07	0.86	1.07	1.07	1.5	1.29	0.86	1.07	1.5	1.29

3.9. 21C3F3 – Investment Analysis & Portfolio Management

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21C3F3			
CO1	2.55	2.72	2.57
CO2	2.55	2.72	2.57
CO3	2.55	2.82	2.58
CO4	2.55	2.72	2.57
CO5	2.55	2.49	2.54
Average CO Attainment			2.06

Course Code	Program Outcomes											
21C3F3	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	1.2	2.6	1.8	2.2	1	2	1.8	1	2.6	2.8	2
PO Attainment	2.06	0.82	1.79	1.24	1.51	0.69	1.37	1.24	0.69	1.79	1.92	1.37

3.10. 21C3H1 – Personal Growth & Interpersonal Effectiveness

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21C3H1			
CO1	2.55	2.6	2.56
CO2	2.55	2.64	2.56
CO3	2.55	2.68	2.56
CO4	2.55	2.68	2.56
CO5	2.55	2.64	2.56
CO6	2.55	2.6	2.56
Average CO Attainment			1.71

Course Code	Program Outcomes											
21C3H1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	2.2	2.6	0	3	2.2	2	2	2.33	1	2.5	3
PO Attainment	1.71	1.25	1.48	0	1.71	1.25	1.14	1.14	1.33	0.57	1.43	1.71

3.11. 21C3H2 – Organizational Change & Development

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21C3H2			
CO1	2.55	2.48	2.54
CO2	2.55	2.68	2.56
CO3	2.55	2.56	2.55
CO4	2.55	2	2.5
Average CO Attainment			2.54

Course Code	Program Outcomes											
21C3H2	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	2.33	2.5	2.33	2	2.33	1.33	0	2	1	2.75	2
PO Attainment	2.54	1.97	2.12	1.97	1.69	1.97	1.13	0	1.69	0.85	2.33	1.69

3.12. 21C3H3 – Training in Organizations

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21C3H3			
CO1	2.55	2.36	2.53
CO2	2.55	2.12	2.51
CO3	2.55	2.44	2.54
CO4	2.55	2.44	2.54
CO5	2.55	2.48	2.54
Average CO Attainment			2.02

Course Code	Program Outcomes											
21C3H3	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	2.8	3	2.8	2.6	2.4	2.4	2.4	2.4	2.8	1.8	2.6	2.6
PO Attainment	1.89	2.02	1.89	1.75	1.62	1.62	1.62	1.62	1.89	1.21	1.75	1.75

SEMESTER - 4

4.1. EVENT MANAGEMENT – 21C401

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21C401			
CO1	2.55	2.68	2.56
CO2	2.55	2.72	2.57
Average CO Attainment			2.57

Course Code	Program Outcomes											
21C401	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	2	1.5	3	2.5	1.5	2.5	1.5	2.5	2.5	3	2.5
PO Attainment	2.57	1.71	1.29	2.57	2.14	1.29	2.14	1.29	2.14	2.14	2.57	2.14

4.2. 21C402 - Project Work

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21C402			
CO1	2.55	2.53	2.55
CO2	2.55	2.42	2.54
Average CO Attainment			2.55

Coures Code	Program Outcomes											
21C402	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	2	2	1.5	1	1.75	1	1	1	1.5	1.5	1	2
PO Attainment	1.7	1.7	1.28	0.85	1.49	0.85	0.85	0.85	1.28	1.28	0.85	1.7

Marketing Management

4.3. 21C4M4 - Brand Management

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21C4M4			
CO1	2.55	2.78	2.57
CO2	2.55	2.89	2.58
Average CO Attainment			2.58

Course Code	Program Outcomes											
21C4M4	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	1.67	1.67	1	2	2	1.33	1.33	1.33	1.67	1.33	2	1.67
PO Attainment	1.44	1.44	0.86	1.72	1.72	1.14	1.14	1.14	1.44	1.14	1.72	1.44

4.4. 21C4M5 - Industrial Marketing

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21C4M5			
CO1	2.55	2.22	2.52
CO2	2.55	2.33	2.53
CO3	2.1	2.33	2.12
Average CO Attainment			2.53

Course Code	Program Outcomes											
21C4M5	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	2.5	2.5	2.5	2.5	2	2	2.5	2	2.5	2	3	2.5
PO Attainment	2.11	2.11	2.11	2.11	1.69	1.69	2.11	1.69	2.11	1.69	2.53	2.11

4.5. 21C4M6 - Services Marketing

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21C4M6			
CO1	2.55	2.22	2.52
CO2	2.55	2.56	2.55
CO3	2.1	2.56	2.15
Average CO Attainment			2.41

Course Code	Program Outcomes											
21C4M6	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	1.67	1.67	1.33	2	2	1.33	1.67	1.33	1.67	1.67	2	1.67
PO Attainment	1.34	1.34	1.07	1.61	1.61	1.07	1.34	1.07	1.34	1.34	1.61	1.34

4.6. 21C4M7 - International Marketing

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21C4M7			
CO1	2.55	2.22	2.52
CO2	2.55	2.56	2.55
CO3	2.55	2.67	2.56
CO4	2.55	2.56	2.55
Average CO Attainment			2.54

Course Code	Program Outcomes											
21C4M7	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	1.67	1.67	1.33	2	2	1.33	1.67	1.33	1.67	1.67	2	1.67
PO Attainment	1.41	1.41	1.13	1.69	1.69	1.13	1.41	1.13	1.41	1.41	1.69	1.41

Financial Management

4.7. 21C4F4 - Mergers & Acquisition

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21C4F4			
CO1	2.55	2.67	2.56
CO2	2.55	2.69	2.56
CO3	2.55	2.73	2.57
CO4	2.55	2.81	2.58
CO5	2.1	2.42	2.13
Average CO Attainment			2.05

Course Code	Program Outcomes											
21C4F4	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	2	2	1.5	1	1.75	1	1	1	1.5	1.5	1	2
PO Attainment	1.37	1.37	1.03	0.68	1.2	0.68	0.68	0.68	1.03	1.03	0.68	1.37

4.8. 21C4F4 - Derivatives

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21C4F5			
CO1	2.55	2.76	2.57
CO2	2.55	2.58	2.55
CO3	2.55	2.73	2.57
CO4	2.55	2.73	2.57
CO5	2.1	2.61	2.15
Average CO Attainment			2.05

Course Code	Program Outcomes											
21C4F5	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	2.25	1.25	1.25	1	1.25	1.25	1.75	1.5	1	1.25	1.75	1.5
PO Attainment	1.54	0.85	0.85	0.68	0.85	0.85	1.2	1.03	0.68	0.85	1.2	1.03

4.9. 21C4F6 - International Finance

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21C4F6			
CO1	2.55	2.72	2.57
CO2	2.55	2.72	2.57
CO3	2.55	2.82	2.58
CO4	2.55	2.72	2.57
Average CO Attainment			2.57

Course Code	Program Outcomes											
21C4F6	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	1.2	2.6	1.8	2.2	1	2	1.8	1	2.6	2.8	2
PO Attainment	2.57	1.03	2.23	1.54	1.88	0.86	1.71	1.54	0.86	2.23	2.4	1.71

4.10. 21C4F7 -Taxation

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21C4F7			
CO1	2.55	2.72	2.57
CO2	2.55	2.72	2.57
CO3	2.55	2.82	2.58
CO4	2.55	2.72	2.57
CO5	2.1	2.49	2.14
Average CO Attainment			2.06

Course Code	Program Outcomes											
21C4F7	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	1.2	2.6	1.8	2.2	1	2	1.8	1	2.6	2.8	2
PO Attainment	2.06	0.82	1.79	1.24	1.51	0.69	1.37	1.24	0.69	1.79	1.92	1.37

HUMAN RESOURCE MANAGEMENT

4.11. 21C4H4 - Strategic Human Resource Management

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21C4H4			
CO1	2.55	2.6	2.56
CO2	2.55	2.64	2.56
CO3	2.55	2.68	2.56
CO4	2.55	2.68	2.56
CO5	2.1	2.64	2.15
Average CO Attainment			2.05

Course Code	Program Outcomes											
21C4H4	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	2.2	2.6	0	3	2.2	2	2	2.33	1	2.5	3
PO Attainment	2.05	1.5	1.78	0	2.05	1.5	1.37	1.37	1.59	0.68	1.71	2.05

4.12. 21C4H5 - Industrial Labour Legislation

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21C4H5			
CO1	2.55	2.48	2.54
CO2	2.55	2.68	2.56
CO3	2.55	2.56	2.55
CO4	2.55	2	2.5
CO5	2.1	2.08	2.1
Average CO Attainment			2.54

Course Code	Program Outcomes											
21C4H5	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	2.33	2.5	2.33	2	2.33	1.33	0	2	1	2.75	2
PO Attainment	2.54	1.97	2.12	1.97	1.69	1.97	1.13	0	1.69	0.85	2.33	1.69

4.13. 21C4H6 - Industrial Relations

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21C4H6			
CO1	2.55	2.36	2.53
CO2	2.55	2.12	2.51
CO3	2.55	2.44	2.54
Average CO Attainment			2.53

Course Code	Program Outcomes											
21C4H6	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	2.8	3	2.8	2.6	2.4	2.4	2.4	2.4	2.8	1.8	2.6	2.6
PO Attainment	2.36	2.53	2.36	2.19	2.02	2.02	2.02	2.02	2.36	1.52	2.19	2.19

4.14. 21C4H7 - Managing Knowledge Worker

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21C4H7			
CO1	2.55	2.24	2.52
CO2	2.55	2.12	2.51
CO3	2.55	2.44	2.54
CO4	2.55	2.44	2.54
Average CO Attainment			2.53

Course Code	Program Outcomes											
21C4H7	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	2.8	3	2.8	2.6	2.4	2.4	2.4	2.4	2.8	1.8	2.6	2.6
PO Attainment	2.36	2.53	2.36	2.19	2.02	2.02	2.02	2.02	2.36	1.52	2.19	2.19

**Department of Studies
in
Commerce**

Outcome - Based Education

Course Code: 20A201 (10201)**Course Title: HC01: BUSINESS COMMUNICATION****Course Credits: 04 (3:1:0)****Hours of Teaching/Week: 05 (Theory)****Total Contact Hours: 56 Hours**
(Theory)**Formative Assessment Marks: 30**

C1=15, C2=15 (Theory)

Exam Duration: 3 Hours (Theory)**Semester End Examination Marks: 70 (Theory)**

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
10201			
CO1	2.55	2.53	2.55
CO2	2.55	1.6	2.46
CO3	2.55	1.47	2.44
CO4	2.55	1.72	2.47
Average CO Attainment			2.48

Course Code	Program Outcomes							
10201	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
Weighted Average from Course Articulation Matrix	2.5	3	2.5	1	2	1	1	3
PO Attainment	2.07	2.48	2.07	0.83	1.65	0.83	0.83	2.48

Course Code: 20A202 (10202)

Course Title: HC02: CORPORATE GOVERNANCE & BUSINESS ETHICS

Course Credits: 04 (3:1:0)

Hours of Teaching/Week: 05 (Theory)

Total Contact Hours: 56 Hours
(Theory)

Formative Assessment Marks: 30

C1=15, C2=15 (Theory)

Exam Duration: 3 Hours (Theory)

Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
10202			
CO1	2.55	2.53	2.55
CO2	2.55	1.6	2.46
CO3	2.55	1.47	2.44
CO4	2.55	1.72	2.47
Average CO Attainment			2.48

Course Code	Program Outcomes							
10202	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
Weighted Average from Course Articulation Matrix	2.5	3	2.5	1	2	1	1	3
PO Attainment	2.07	2.48	2.07	0.83	1.65	0.83	0.83	2.48

Course Code: 20A203 (10203)**Course Title: HC03: FINANCIAL MANAGEMENT****Course Credits: 04 (3:1:0)****Hours of Teaching/Week: 05 (Theory)****Total Contact Hours: 56 Hours**
(Theory)**Formative Assessment Marks: 30**

C1=15, C2=15 (Theory)

Exam Duration: 3 Hours (Theory)**Semester End Examination Marks: 70 (Theory)**

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
10203			
CO1	2.55	2.53	2.55
CO2	2.55	1.6	2.46
CO3	2.55	1.47	2.44
CO4	2.55	1.72	2.47
Average CO Attainment			2.48

Coures Code	Program Outcomes							
10203	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
Weighted Average from Course Articulation Matrix	2.5	3	2.5	1	2	1	1	3
PO Attainment	2.07	2.48	2.07	0.83	1.65	0.83	0.83	2.48

Course Code: 20A204 (10204)

**Course Title: HC04: BUSINESS RESEARCH
METHODOLOGY**

Course Credits: 04 (3:1:0)

Hours of Teaching/Week: 05 (Theory)

Total Contact Hours: 56 Hours
(Theory)

Formative Assessment Marks: 30

C1=15, C2=15 (Theory)

Exam Duration: 3 Hours (Theory)

Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
10204			
CO1	2.55	2.53	2.55
CO2	2.55	1.6	2.46
CO3	2.55	1.47	2.44
CO4	2.55	1.72	2.47
Average CO Attainment			2.48

Coures Code	Program Outcomes							
10204	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
Weighted Average from Course Articulation Matrix	2.5	3	2.5	1	2	1	1	3
PO Attainment	2.07	2.48	2.07	0.83	1.65	0.83	0.83	2.48

Course Code: 20A206 (10206)

Course Title: SC02: MARKETING MANAGEMENT

Course Credits: 04 (3:1:0)

Hours of Teaching/Week: 05 (Theory)

Total Contact Hours: 56 Hours
(Theory)

Formative Assessment Marks: 30

C1=15, C2=15 (Theory)

Exam Duration: 3 Hours (Theory)

Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
40206			
CO1	2.55	2.53	2.55
CO2	2.55	1.6	2.46
CO3	2.55	1.47	2.44
CO4	2.55	1.72	2.47
Average CO Attainment			2.48

Coures Code	Program Outcomes							
40206	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
Weighted Average from Course Articulation Matrix	2.5	3	2.5	1	2	1	1	3
PO Attainment	2.07	2.48	2.07	0.83	1.65	0.83	0.83	2.48

Course Code: 20A207 (10207)**Course Title: SC03: ADVANCE AUDITING****Course Credits: 04 (3:1:0)****Hours of Teaching/Week: 05 (Theory)****Total Contact Hours: 56 Hours**
(Theory)**Formative Assessment Marks: 30**

C1=15, C2=15 (Theory)

Exam Duration: 3 Hours (Theory)**Semester End Examination Marks: 70 (Theory)**

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
40207			
CO1	2.55	2.53	2.55
CO2	2.55	1.6	2.46
CO3	2.55	1.47	2.44
CO4	2.55	1.72	2.47
Average CO Attainment			2.48

Course Code	Program Outcomes							
40207	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
Weighted Average from Course Articulation Matrix	2.5	3	2.5	1	2	1	1	3
PO Attainment	2.07	2.48	2.07	0.83	1.65	0.83	0.83	2.48

Course Code: 20A201 (20201)

**Course Title: HC05: CAPITAL MARKET
INSTRUMENTS**

Course Credits: 04 (3:1:0)

Hours of Teaching/Week: 05 (Theory)

Total Contact Hours: 56 Hours
(Theory)

Formative Assessment Marks: 30

C1=15, C2=15 (Theory)

Exam Duration: 3 Hours (Theory)

Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
20201			
CO1	2.4	2.56	2.42
CO2	2.4	2.42	2.4
CO3	3	2.36	2.94
CO4	3	2.44	2.94
Average CO Attainment			2.68

Course Code	Program Outcomes							
20201	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
Weighted Average from Course Articulation Matrix	1.75	3	1.25	-	1.25	-	-	0.75
PO Attainment	1.56	2.68	1.12	-	1.12	-	-	0.67

Course Code: 20A202 (20202)

Course Title: HC06: STATISTICS FOR BUSINESS DECISIONS

Course Credits: 04 (3:1:0)

Hours of Teaching/Week: 05 (Theory)

Total Contact Hours: 54 Hours
(Theory)

Formative Assessment Marks: 30

C1=15, C2=15 (Theory)

Exam Duration: 3 Hours (Theory)

Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
20202			
CO1	2.4	2.48	2.41
CO2	2.8	2.48	2.77
CO3	2.4	2.5	2.41
CO4	2.4	2.44	2.4
Average CO Attainment			2.5

Course Code	Program Outcomes							
20202	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
Weighted Average from Course Articulation Matrix	1	2	1	2	1	3	1	1
PO Attainment	0.83	1.67	1.25	-	2.25	-	-	1.5

Course Code: 20A203 (20203)	Course Title: HC07: PORTFOLIO MANAGEMENT
Course Credits: 04 (3:1:0)	Hours of Teaching/Week: 05 (Theory)
Total Contact Hours: 56 Hours (Theory)	Formative Assessment Marks: 30
C1=15, C2=15 (Theory)	
Exam Duration: 3 Hours (Theory)	Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
20203			
CO1	2.4	2.5	2.41
CO2	2.6	2.46	2.59
CO3	2.4	2.36	2.4
CO4	2.4	2.34	2.39
Average CO Attainment			2.45

Course Code	Program Outcomes							
20203	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
Weighted Average from Course Articulation Matrix	2	3	2.25	-	2	-	-	1
PO Attainment	1.63	2.45	1.84	-	1.63	-	-	0.82

Course Code: 20A204 (20204)

**Course Title: SC04: COMPUTER APPLICATIONS
IN COMMERCE**

Course Credits: 04 (3:1:0)

Hours of Teaching/Week: 05 (Theory)

**Total Contact Hours: 54 Hours
(Theory)**

Formative Assessment Marks: 30

C1=15, C2=15 (Theory)

Exam Duration: 3 Hours (Theory)

Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
20204			
CO1	2.55	2.53	2.55
CO2	2.85	2.41	2.81
CO3	2.55	2.35	2.53
CO4	2.55	2.41	2.54
Average CO Attainment			2.61

Course Code	Program Outcomes							
20204	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
Weighted Average from Course Articulation Matrix	2	3	3	-	1.2	-	-	3
PO Attainment	1.74	2.61	2.61	-	1.04	-	-	2.61

Course Code: 20A207 (20207)

**Course Title: SC06: HUMAN RESOURCE
MANAGEMENT**

Course Credits: 04 (3:1:0)

Hours of Teaching/Week: 05 (Theory)

**Total Contact Hours: 52 Hours
(Theory)**

Formative Assessment Marks: 30

C1=15, C2=15 (Theory)

Exam Duration: 3 Hours (Theory)

Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
20207			
CO1	2.4	2.48	2.41
CO2	2.8	2.45	2.77
CO3	2.4	2.45	2.41
CO4	2.4	2.55	2.42
Average CO Attainment			2.5

Course Code	Program Outcomes							
20207	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
Weighted Average from Course Articulation Matrix	2	2	0.33	0.33	-	0.33	-	0.33
PO Attainment	1.67	1.67	0.28	0.28	-	0.28	-	0.28

Course Code: 20A208 (20208)

**Course Title: OEO1: STOCK MARKET AND
INVESTMENT DECISIONS**

Course Credits: 04 (3:1:0)

Hours of Teaching/Week: 05 (Theory)

**Total Contact Hours: 52 Hours
(Theory)**

Formative Assessment Marks: 30

C1=15, C2=15 (Theory)

Exam Duration: 3 Hours (Theory)

Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
20208			
CO1	2.4	2.48	2.41
CO2	2.8	2.45	2.77
CO3	2.4	2.45	2.41
CO4	2.4	2.55	2.42
Average CO Attainment			2.5

Course Code	Program Outcomes							
20208	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
Weighted Average from Course Articulation Matrix	1.25	2	2.5	-	0.75	-	-	1.75
PO Attainment	1.04	1.67	2.08	-	0.63	-	-	1.46

Course Code: 20A306

**Course Title: SC 10: GOODS AND SERVICE TAX
PLANNING AND CUSTOMS DUTY**

Course Credits: 04 (3:1:0)

Hours of Teaching/Week: 05 (Theory)

**Total Contact Hours: 56 Hours
(Theory)**

Formative Assessment Marks: 30

C1=15, C2=15 (Theory)

Exam Duration: 3 Hours (Theory)

Semester End Examination Marks: 70 (Theory)



Course Code	Direct Attainment	Indirect Attainment	CO Attainment
20A306			
CO1	2.55	2.12	2.51
CO2	2.55	2.09	2.5
CO3	2.55	2	2.5
CO4	2.55	2.07	2.5
Average CO Attainment			2.5

Course Code	Program Outcomes							
20A306	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
Weighted Average from Course Articulation Matrix	2.75	2.75	2	0	0.25	0	0	1.5
PO Attainment	2.29	2.29	1.67	0	0.21	0	0	1.25

Course Code: 20A302**Course Title: HC 09: INTERNATIONAL BUSINESS****Course Credits: 04 (3:1:0)****Hours of Teaching/Week: 05 (Theory)****Total Contact Hours: 56 Hours**
(Theory)**Formative Assessment Marks: 30**

C1=15, C2=15 (Theory)

Exam Duration: 3 Hours (Theory)**Semester End Examination Marks: 70 (Theory)**

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
20A302			
CO1	2.55	2.4	2.54
CO2	2.55	2.42	2.54
CO3	2.55	2.4	2.54
CO4	2.55	2.38	2.53
Average CO Attainment			2.54

Course Code	Program Outcomes							
20A302	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
Weighted Average from Course Articulation Matrix	2.5	2.5	0	0	1.75	0	0	0.25
PO Attainment	2.12	2.12	0	0	1.48	0	0	0.21

Course Code: 20A301**Course Title: HC 08: MANAGERIAL ECONOMICS****Course Credits: 04 (3:1:0)****Hours of Teaching/Week: 05 (Theory)****Total Contact Hours: 56 Hours**
(Theory)**Formative Assessment Marks: 30**
C1=15, C2=15 (Theory)**Exam Duration: 3 Hours (Theory)****Semester End Examination Marks: 70 (Theory)**

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
20A301			
CO1	2.55	2.56	2.55
CO2	2.55	2.48	2.54
CO3	2.55	2.34	2.53
CO4	2.55	2.34	2.53
Average CO Attainment			2.54

Course Code	Program Outcomes							
20A301	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
Weighted Average from Course Articulation Matrix	2.25	2	0.5	0	1.25	0	0	0.25
PO Attainment	1.91	1.69	0.42	0	1.06	0	0	0.21

Course Code: 20A304**Course Title: SC 08: ORGANISATIONAL BEHAVIOUR****Course Credits: 04 (3:1:0)****Hours of Teaching/Week: 05 (Theory)****Total Contact Hours: 56 Hours**
(Theory)**Formative Assessment Marks: 30**
C1=15, C2=15 (Theory)**Exam Duration: 3 Hours (Theory)****Semester End Examination Marks: 70 (Theory)**

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
20A304			
CO1	2.55	2.44	2.54
CO2	2.55	2.4	2.54
CO3	2.55	2.34	2.53
CO4	2.55	2.36	2.53
Average CO Attainment			2.54

Course Code	Program Outcomes							
20A304	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
Weighted Average from Course Articulation Matrix	2.25	2.75	0	0	0	1.25	2	0.5
PO Attainment	1.91	2.33	0	0	0	1.06	1.69	0.42



Course Code: 20A308**Course Title: SC 12: STRATEGIC FINANCIAL MANAGEMENT****Course Credits: 04 (3:1:0)****Hours of Teaching/Week: 05 (Theory)****Total Contact Hours: 56 Hours**
(Theory)**Formative Assessment Marks: 30**

C1=15, C2=15 (Theory)

Exam Duration: 3 Hours (Theory)**Semester End Examination Marks: 70 (Theory)**

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
20A308			
CO1	2.55	2.5	2.55
CO2	2.55	2.44	2.54
CO3	2.55	2.48	2.54
CO4	2.55	2.44	2.54
Average CO Attainment			2.54

Course Code	Program Outcomes							
20A308	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
Weighted Average from Course Articulation Matrix	2.75	2.75	0.25	0	1.75	0	0	0
PO Attainment	2.33	2.33	0.21	0	1.48	0	0	0

Act
Go to

Course Code: 20A309

**Course Title SC 13: STRATEGIC MANAGEMENT OF
HUMAN RESOURCES**

CourseCredits:04 (3:1:0)

Hours of Teaching/Week: 05 (Theory)

**Total Contact Hours:56 Hours
(Theory)**

Formative Assessment Marks: 30

C1=15,C2=15 (Theory)

Exam Duration: 3 Hours (Theory)

Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
20A309			
CO1	2.55	2.34	2.53
CO2	2.55	2.38	2.53
CO3	2.55	2.48	2.54
CO4	2.55	2.44	2.54
Average CO Attainment			2.53

Course Code	Program Outcomes							
20A309	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
Weighted Average from Course Articulation Matrix	1.75	2.75	0	0.75	1.25	0	0	0
PO Attainment	1.48	2.32	0	0.63	1.05	0	0	0

Course Code: 20A401 (40201)

Course Title: HC10: INTERNATIONAL ACCOUNTING

Course Credits: 04 (3:1:0)

Hours of Teaching/Week: 05 (Theory)

Total Contact Hours: 56 Hours
(Theory)

Formative Assessment Marks: 30

C1=15, C2=15 (Theory)

Exam Duration: 3 Hours (Theory)

Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
40201			
CO1	2.55	2.53	2.55
CO2	2.55	1.6	2.46
CO3	2.55	1.47	2.44
CO4	2.55	1.72	2.47
Average CO Attainment			1.86

Course Code	Program Outcomes							
40201	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
Weighted Average from Course Articulation Matrix	2.5	3	2.5	1	2	1	1	3
PO Attainment	1.55	1.86	1.55	0.62	1.24	0.62	0.62	1.86

Course Code: 20A402 (40202)	Course Title: HC11: OPERATIONS RESEARCH
Course Credits: 04 (3:1:0)	Hours of Teaching/Week: 05 (Theory)
Total Contact Hours: 54 Hours (Theory)	Formative Assessment Marks: 30
C1=15, C2=15 (Theory)	
Exam Duration: 3 Hours (Theory)	Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
40202			
CO1	2.55	2.44	2.54
CO2	2.55	2.51	2.55
CO3	2.55	2.56	2.55
CO4	2.55	2.42	2.54
Average CO Attainment			2.55

Course Code	Program Outcomes							
40202	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
Weighted Average from Course Articulation Matrix	2.5	3	0.5	1	0.5	1	1	1
PO Attainment	2.13	2.55	0.43	0.85	0.43	0.85	0.85	0.85

Course Code: 20A406 (40203)

**Course Title: SC18: CORPORATE TAX LAWS
AND PLANNING**

Course Credits: 04 (3:1:0)

Hours of Teaching/Week: 05 (Theory)

**Total Contact Hours: 56 Hours
(Theory)**

Formative Assessment Marks: 30

C1=15, C2=15 (Theory)

Exam Duration: 3 Hours (Theory)

Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainme nt
40203			
CO1	2.55	2.47	2.54
CO2	2.55	2.4	2.54
CO3	3	2.4	2.94
CO4	2.55	2.47	2.54
Average CO Attainment			2.64

Course Code	Program Outcomes							
40203	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
Weighted Average from Course Articulation Matrix	2.5	2.75	0.75	1	1	1	1	0.75
PO Attainment	2.2	2.42	0.66	0.88	0.88	0.88	0.88	0.66

Course Code: 20A408 (40204)	Course Title: SC20: FINANCIAL DERIVATIVES
Course Credits: 04 (3:1:0)	Hours of Teaching/Week: 05 (Theory)
Total Contact Hours: 54 Hours (Theory)	Formative Assessment Marks: 30
C1=15, C2=15 (Theory)	
Exam Duration: 3 Hours (Theory)	Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
40204			
CO1	2.55	2.66	2.56
CO2	2.55	2.51	2.55
CO3	3	2.51	2.95
CO4	2.55	2.41	2.54
Average CO Attainment			2.65

Course Code	Program Outcomes							
40204	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
Weighted Average from Course Articulation Matrix	1.75	3	1.25	1	1.25	1	1	3
PO Attainment	1.55	2.65	1.1	0.88	1.1	0.88	0.88	2.65

Course Code: 20A409 (40205)

**Course Title: SC21: INTERNATIONAL HUMAN
RESOURCE MANAGEMENT**

Course Credits: 04 (3:1:0)

Hours of Teaching/Week: 05 (Theory)

**Total Contact Hours: 52 Hours
(Theory)**

Formative Assessment Marks: 30

C1=15, C2=15 (Theory)

Exam Duration: 3 Hours (Theory)

Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
40205			
CO1	2.55	2.56	2.55
CO2	2.55	2.44	2.54
CO3	2.55	2.56	2.55
CO4	2.55	2.56	2.55
Average CO Attainment			2.55

Course Code	Program Outcomes							
40205	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
Weighted Average from Course Articulation Matrix	1.75	2.75	1	3	1.67	1	1	1
PO Attainment	1.49	2.34	0.85	2.55	1.42	0.85	0.85	0.85

**Department of Studies
in
Computer Applications
Outcome - Based Education**

Semester I

HC

Mathematical Foundations for Computer Applications

4:0:0

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21BH01			
CO1	3	2.7	2.97
CO2	3	2.67	2.97
CO3	2.25	2.77	2.3
CO4	2.25	2.74	2.3
Average CO Attainment			2.64

Course Code	Program Outcomes									
21BH01	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Weighted Average from Course Articulation Matrix	3	3	3	2.25	1.5	1	1	3	1	1.75
PO Attainment	2.64	2.64	2.64	1.98	1.32	0.88	0.88	2.64	0.88	1.54

Semester I

HC**Data Structures and Algorithms****2:1:1**

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21BH03			
CO1	2.25	2.67	2.29
CO2	2.25	2.58	2.28
CO3	2.25	2.57	2.28
CO4	2.25	2.62	2.29
Average CO Attainment			2.29

Course Code	Program Outcomes									
21BH03	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Weighted Average from Course Articulation Matrix	2.5	2.5	2.25	2	2	1	2	1	1	1.5
PO Attainment	1.91	1.91	1.72	1.53	1.53	0.76	1.53	0.76	0.76	1.15

Semester I

HC

Operating System

3:1:0

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21BH04			
CO1	2.25	3.12	2.34
CO2	2.25	3.12	2.34
CO3	3	3.11	3.01
CO4	3	3.14	3.01
Average CO Attainment			2.68

Course Code	Program Outcomes									
21BH04	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Weighted Average from Course Articulation Matrix	2.5	2.5	2.25	2	2	1	2	1	1	1.5
PO Attainment	2.23	2.23	2.01	1.79	1.79	0.89	1.79	0.89	0.89	1.34

Semester I

SC

Data Communication and Networks

3:1:0

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21BS01			
CO1	3	2.53	2.95
CO2	3	2.57	2.96
CO3	2.25	2.77	2.3
CO4	2.25	2.45	2.27
Average CO Attainment			2.62

Course Code	Program Outcomes									
21BS01	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Weighted Average from Course Articulation Matrix	3	2	3	3	3	2	3	2	3	2.5
PO Attainment	2.62	1.75	2.62	2.62	2.62	1.75	2.62	1.75	2.62	2.18

Semester I

SC

Database Management System

3:0:1

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21BS02			
CO1	2.25	2.67	2.29
CO2	2.25	2.6	2.29
CO3	3	2.65	2.97
CO4	3	2.63	2.96
Average CO Attainment			2.63

Course Code	Program Outcomes									
21BS02	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Weighted Average from Course Articulation Matrix	2.5	2.5	2.25	2	2	1	2	1	1	1.5
PO Attainment	2.19	2.19	1.97	1.75	1.75	0.88	1.75	0.88	0.88	1.32

Semester II**HC****Advanced Computer Networks****3:1:0**

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21BH02			
CO1	3	2.53	2.95
CO2	3	2.48	2.95
CO3	2.25	2.77	2.3
CO4	2.25	2.58	2.28
Average CO Attainment			2.62

Course Code	Program Outcomes									
21BH02	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Weighted Average from Course Articulation Matrix	2.75	2.25	2.25	2	1.75	1.5	1	1	1.5	1.5
PO Attainment	2.4	1.97	1.97	1.75	1.53	1.31	0.87	0.87	1.31	1.31

Semester II**HC****Software Engineering****3:1:0**

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21BH05			
CO1	3	2.91	2.99
CO2	3	2.89	2.99
CO3	3	2.86	2.99
CO4	2.25	2.89	2.31
Average CO Attainment			2.82

Course Code	Program Outcomes									
21BH05	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Weighted Average from Course Articulation Matrix	2.5	1.25	2.25	2	2	1	1.5	1	2.25	1.5
PO Attainment	2.35	1.18	2.12	1.88	1.88	0.94	1.41	0.94	2.12	1.41

Semester II

HC

Simulation and Modeling

3:0:1

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21BH08			
CO1	2.25	2.83	2.31
CO2	3	2.81	2.98
CO3	3	2.83	2.98
CO4	2.25	2.84	2.31
Average CO Attainment			2.65

Course Code	Program Outcomes									
21BH08	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Weighted Average from Course Articulation Matrix	2.25	2	2	1.75	2	1	2	1	1.25	1.25
PO Attainment	1.99	1.77	1.77	1.55	1.77	0.88	1.77	0.88	1.1	1.1

Semester II**SC****Cloud Computing****3:1:0**

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
70112			
CO1	3	2.57	2.96
CO2	3	2.48	2.95
CO3	2.25	2.76	2.3
CO4	2.25	2.38	2.26
Average CO Attainment			2.62

Course Code	Program Outcomes									
70112	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Weighted Average from Course Articulation Matrix	1.75	1	1.25	2	2.25	2	1.5	2.25	2.33	2
PO Attainment	1.53	0.87	1.09	1.75	1.97	1.75	1.31	1.97	2.03	1.75

Semester II

SC

Web Technologies

2:1:0

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21BS05			
CO1	3	2.93	2.99
CO2	3	2.89	2.99
CO3	3	2.91	2.99
CO4	2.25	2.77	2.3
Average CO Attainment			2.82

Course Code	Program Outcomes									
21BS05	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Weighted Average from Course Articulation Matrix	2.75	2.75	3	2.75	2.27	2.25	3	2	2.25	1.75
PO Attainment	2.59	2.59	2.82	2.59	2.13	2.12	2.82	1.88	2.12	1.65

Semester II**SC****Information Retrieval****3:0:1**

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21BS12			
CO1	3	2.73	2.97
CO2	3	2.76	2.98
CO3	3	2.7	2.97
CO4	2.25	2.73	2.3
Average CO Attainment			2.81

Course Code	Program Outcomes									
21BS12	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Weighted Average from Course Articulation Matrix	1	3	2.75	2	2	2	3	3	1	1
PO Attainment	0.94	2.81	2.58	1.87	1.87	1.87	2.81	2.81	0.94	0.94

Semester II

SC

Office Automation

3:0:1

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22BH03			
CO1	3	2.81	2.98
CO2	3	2.88	2.99
CO3	3	2.94	2.99
CO4	2.25	2.88	2.31
Average CO Attainment			2.82

Course Code	Program Outcomes									
22BH03	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Weighted Average from Course Articulation Matrix	1	1	1	1	1	1	3	3	3	2
PO Attainment	0.94	0.94	0.94	0.94	0.94	0.94	2.82	2.82	2.82	1.88

Semester III

HC

Object Oriented Programming with Java

3:0:1

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21BH06			
CO1	2.25	2.66	2.29
CO2	2.25	2.61	2.29
CO3	2.25	2.54	2.28
CO4	2.25	2.58	2.28
Average CO Attainment			2.29

Course Code	Program Outcomes									
21BH06	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Weighted Average from Course Articulation Matrix	3	2.25	2.25	2	1	1	2	2	2	2
PO Attainment	2.29	1.72	1.72	1.53	0.76	0.76	1.53	1.53	1.53	1.53

Semester III

HC

Python Programming

3:0:1

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21BH07			
CO1	2.25	2.97	2.32
CO2	2.25	2.97	2.32
CO3	3	2.95	3
CO4	3	2.95	3
Average CO Attainment			2.66

Course Code	Program Outcomes									
21BH07	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Weighted Average from Course Articulation Matrix	2.5	2	2	1.75	2	1	1	1	1	1.25
PO Attainment	2.22	1.77	1.77	1.55	1.77	0.89	0.89	0.89	0.89	1.11

Semester III

SC

Big Data Analytics

3:0:1

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21BS13			
CO1	2.25	2.53	2.28
CO2	3	2.56	2.96
CO3	2.25	2.75	2.3
CO4	2.25	2.51	2.28
Average CO Attainment			2.46

Course Code	Program Outcomes									
21BS13	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Weighted Average from Course Articulation Matrix	2.5	2.5	2	1.66	2	1	2	3	1.75	1.5
PO Attainment	2.05	2.05	1.64	1.36	1.64	0.82	1.64	2.46	1.44	1.23

Semester III

SC

Machine Learning

3:1:0

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21BS15			
CO1	3	2.83	2.98
CO2	3	2.81	2.98
CO3	2.25	2.83	2.31
CO4	2.25	2.84	2.31
Average CO Attainment			2.65

Coures Code	Program Outcomes									
21BS15	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Weighted Average from Course Articulation Matrix	2.5	3	2.75	1.75	1	3	3	3	1	1
PO Attainment	2.21	2.65	2.43	1.55	0.88	2.65	2.65	2.65	0.88	0.88

Semester III

SC

Entrepreneurship Development

3:1:0

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21BS19			
CO1	3	1.91	2.89
CO2	3	1.88	2.89
CO3	2.25	1.93	2.22
CO4	3	1.93	2.89
Average CO Attainment			2.72

Course Code	Program Outcomes									
21BS19	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Weighted Average from Course Articulation Matrix	3	3	3	1.66	1.66	1.75	1.25	1	2	1.33
PO Attainment	2.72	2.72	2.72	1.51	1.51	1.59	1.13	0.91	1.81	1.21

Semester III

SC

Communication Skills

3:1:0

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21BS20			
CO1	3	3	3
CO2	3	3	3
CO3	2.25	3	2.33
CO4	3	3	3
Average CO Attainment			2.83

Course Code	Program Outcomes									
21BS20	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Weighted Average from Course Articulation Matrix	3	3	3	3	2	2.33	3	3	2.75	3
PO Attainment	2.83	2.83	2.83	2.83	1.89	2.2	2.83	2.83	2.59	2.83

Semester III**SC****Cyber security****3:1:0**

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21BS22			
CO1	3	2.53	2.95
CO2	3	2.47	2.95
CO3	2.25	2.76	2.3
Average CO Attainment			2.73

Course Code	Program Outcomes									
21BS22	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Weighted Average from Course Articulation Matrix	1.3	0.3	0.6	2	1.3	1.6	0.3	0.3	1	1.3
PO Attainment	1.18	0.27	0.55	1.82	1.18	1.46	0.27	0.27	0.91	1.18

Semester IV

SC

Major Project Work

3:1:0

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21BH09			
CO1	2.25	2.83	2.31
CO2	2.25	2.81	2.31
CO3	2.25	2.81	2.31
CO4	2.25	2.83	2.31
Average CO Attainment			2.31

Course Code	Program Outcomes									
21BH09	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Weighted Average from Course Articulation Matrix	3	2	3	2	3	3	3	3	3	1
PO Attainment	2.31	1.54	2.31	1.54	2.31	2.31	2.31	2.31	2.31	0.77

**Department of Studies
in
COMPUTER SCIENCE**

Outcome - Based Education

Semester I**HC****Discrete Mathematical Structures****3:1:0**

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
19J1H1			
CO1	2.55	2.19	2.51
CO2	3	2.84	2.98
CO3	3	2.74	2.97
CO4	2.55	2.81	2.58
Average CO Attainment			2.76

Course Code	Program Outcomes					
19J1H1	PO1	PO2	PO3	PO4	PO5	PO6
Weighted Average from Course Articulation Matrix	3	1.5	2	1	1	1.25
PO Attainment	2.76	1.38	1.84	0.92	0.92	1.15

Semester I**HC****Advanced Data Structures****3:1:0**

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
19J1H2			
CO1	3	2.47	2.95
CO2	3	2.47	2.95
CO3	2.55	2.66	2.56
CO4	2.55	2.28	2.52
Average CO Attainment			2.75

Course Code	Program Outcomes					
19J1H2	PO1	PO2	PO3	PO4	PO5	PO6
Weighted Average from Course Articulation Matrix	2.25	1.75	1.75	1	1.25	1.25
PO Attainment	2.06	1.6	1.6	0.92	1.15	1.15

Semester I**HC****Data Communication****4:0:0**

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
19J1H3			
CO1	3	2.87	2.99
CO2	3	2.84	2.98
CO3	3	2.84	2.98
CO4	2.55	2.81	2.58
Average CO Attainment			2.88

Course Code	Program Outcomes					
19J1H3	PO1	PO2	PO3	PO4	PO5	PO6
Weighted Average from Course Articulation Matrix	2.25	2	1.25	1	2.5	2
PO Attainment	2.16	1.92	1.2	0.96	2.4	1.92

Semester I

SC

Java Programming

3:0:1

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
19J1S2			
CO1	2.55	2.68	2.56
CO2	2.55	2.61	2.56
CO3	2.55	2.55	2.55
CO4	2.55	2.58	2.55
Average CO Attainment			2.56

Course Code	Program Outcomes					
19J1S2	PO1	PO2	PO3	PO4	PO5	PO6
Weighted Average from Course Articulation Matrix	1	3	2.5	1	2	3
PO Attainment	0.85	2.56	2.13	0.85	1.71	2.56

Semester I**SC****Communication Skills****4:0:0**

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
19J1S4			
CO1	2.55	2.94	2.59
CO2	3	2.94	2.99
CO3	2.55	2.94	2.59
CO4	2.55	2.94	2.59
Average CO Attainment			2.69

Course Code	Program Outcomes					
19J1S4	PO1	PO2	PO3	PO4	PO5	PO6
Weighted Average from Course Articulation Matrix	1	1.75	2.75	2.5	1.5	1.75
PO Attainment	0.9	1.57	2.47	2.24	1.35	1.57

Semester II**HC****Design and Analysis of Algorithms****2:1:1**

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
19J2H1			
CO1	2.55	2.65	2.56
CO2	2.55	2.61	2.56
CO3	2.55	2.58	2.55
CO4	2.55	2.65	2.56
Average CO Attainment			2.56

Course Code	Program Outcomes					
19J2H1	PO1	PO2	PO3	PO4	PO5	PO6
Weighted Average from Course Articulation Matrix	3	1	1	1	1.75	1
PO Attainment	2.56	0.85	0.85	0.85	1.49	0.85

Semester II**HC****Computer Networks****3:1:0**

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
19J2H2			
CO1	3	2.84	2.98
CO2	3	2.48	2.95
CO3	2.55	2.71	2.57
CO4	2.55	2.29	2.52
Average CO Attainment			2.76

Course Code	Program Outcomes					
19J2H2	PO1	PO2	PO3	PO4	PO5	PO6
Weighted Average from Course Articulation Matrix	1.25	1.25	1.5	1	1.25	1.5
PO Attainment	1.15	1.15	1.38	0.92	1.15	1.38

Semester II

HC

Data Base Management Systems

3:0:1

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
19J2H3			
CO1	3	2.59	2.96
CO2	3	2.17	2.92
CO3	2.55	2.52	2.55
CO4	2.55	2.59	2.55
Average CO Attainment			2.75

Course Code	Program Outcomes					
19J2H3	PO1	PO2	PO3	PO4	PO5	PO6
Weighted Average from Course Articulation Matrix	1.25	2.25	1.75	1	1.25	1.25
PO Attainment	1.15	2.06	1.6	0.92	1.15	1.15

Semester II**SC****System Software****3:0:1**

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
19J2S1			
CO1	3	2.67	2.97
CO2	3	2.58	2.96
CO3	2.55	2.83	2.58
CO4	2.55	2.42	2.54
Average CO Attainment			2.76

Course Code	Program Outcomes					
19J2S1	PO1	PO2	PO3	PO4	PO5	PO6
Weighted Average from Course Articulation Matrix	1.5	2.5	2	1	1	3
PO Attainment	1.38	2.3	1.84	0.92	0.92	2.76

Semester II**SC****Professional Ethics and Values****3:1:0**

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
19J2S3			
CO1	2.55	3	2.6
CO2	2.55	2.89	2.58
CO3	3	2.84	2.98
CO4	2.55	2.84	2.58
Average CO Attainment			2.69

Course Code	Program Outcomes					
19J2S3	PO1	PO2	PO3	PO4	PO5	PO6
Weighted Average from Course Articulation Matrix	1	1	1.25	2	3	1
PO Attainment	0.9	0.9	1.12	1.79	2.69	0.9

Semester II**SC****Web Technologies****3:0:1**

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
19J2S5			
CO1	2.55	2.9	2.59
CO2	3	2.87	2.99
CO3	2.55	2.81	2.58
CO4	2.55	2.84	2.58
Average CO Attainment			2.69

Course Code	Program Outcomes					
19J2S5	PO1	PO2	PO3	PO4	PO5	PO6
Weighted Average from Course Articulation Matrix	1.5	3	2	1.75	1	1
PO Attainment	1.35	2.69	1.79	1.57	0.9	0.9

Semester II

OE

World Wide Web

3:0:1

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
19J2O1			
CO1	2.55	2.91	2.59
CO2	2.55	2.93	2.59
CO3	2.55	2.98	2.59
CO4	2.55	2.91	2.59
Average CO Attainment			2.59

Course Code	Program Outcomes					
19J2O1	PO1	PO2	PO3	PO4	PO5	PO6
Weighted Average from Course Articulation Matrix	1	3	1.5	1	1	1
PO Attainment	0.86	2.59	1.3	0.86	0.86	0.86

Semester III

HC

Theory of Languages

3:1:0

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
19J3H1			
CO1	2.25	2.77	2.3
CO2	3	2.84	2.98
CO3	2.25	2.71	2.3
CO4	2.25	2.81	2.31
Average CO Attainment			2.47

Course Code	Program Outcomes					
19J3H1	PO1	PO2	PO3	PO4	PO5	PO6
Weighted Average from Course Articulation Matrix	2.75	1	1	1	1	1
PO Attainment	2.26	0.82	0.82	0.82	0.82	0.82

Semester III

HC

Python Programming

3:0:1

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
19J3H2			
CO1	2.55	2.68	2.56
CO2	2.55	2.61	2.56
CO3	2.55	2.55	2.55
CO4	2.55	2.61	2.56
Average CO Attainment			2.56

Course Code	Program Outcomes					
19J3H2	PO1	PO2	PO3	PO4	PO5	PO6
Weighted Average from Course Articulation Matrix	1.75	2.5	1	1	3	3
PO Attainment	1.49	2.13	0.85	0.85	2.56	2.56

Semester III**HC****Software Engineering****3:1:0**

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
19J3H3			
CO1	3	2.87	2.99
CO2	3	2.9	2.99
CO3	2.55	2.81	2.58
CO4	2.55	2.81	2.58
Average CO Attainment			2.79

Course Code	Program Outcomes					
19J3H3	PO1	PO2	PO3	PO4	PO5	PO6
Weighted Average from Course Articulation Matrix	2.5	2.5	2.25	2	2.25	2.25
PO Attainment	2.33	2.33	2.09	1.86	2.09	2.09

Semester III

SC

Big Data Analytics

3:1:0

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
19J3S5			
CO1	3	2.5	2.95
CO2	3	2.57	2.96
CO3	2.55	2.63	2.56
CO4	2.55	2.53	2.55
Average CO Attainment			2.76

Course Code	Program Outcomes					
19J3S5	PO1	PO2	PO3	PO4	PO5	PO6
Weighted Average from Course Articulation Matrix	2.25	2	1.75	1.5	2.5	2
PO Attainment	2.07	1.84	1.61	1.38	2.3	1.84

Semester III**OE****E-Commerce****3:1:0**

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
19J3O2			
CO1	3	2.81	2.98
CO2	3	2.88	2.99
CO3	3	2.94	2.99
CO4	3	2.88	2.99
Average CO Attainment			2.99

Course Code	Program Outcomes					
19J3O2	PO1	PO2	PO3	PO4	PO5	PO6
Weighted Average from Course Articulation Matrix	1	1.5	2.25	1.75	1.5	1
PO Attainment	1	1.5	2.24	1.74	1.5	1

Semester IV**HC****Dissertation****0:2:10**

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
19J4H1			
CO1	3	1.35	2.84
CO2	3	1.35	2.84
CO3	3	1.47	2.85
CO4	3	1.28	2.83
Average CO Attainment			2.84

Course Code	Program Outcomes					
19J4H1	PO1	PO2	PO3	PO4	PO5	PO6
Weighted Average from Course Articulation Matrix	2	3	2.66	3	2.66	3
PO Attainment	1.89	2.84	2.52	2.84	2.52	2.84

Semester IV**SC****Data Mining****3:1:0**

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
19J4S3			
CO1	2.25	2.81	2.31
CO2	2.25	2.81	2.31
CO3	3	2.74	2.97
CO4	3	2.77	2.98
Average CO Attainment			2.64

Course Code	Program Outcomes					
19J4S3	PO1	PO2	PO3	PO4	PO5	PO6
Weighted Average from Course Articulation Matrix	3	2.75	1	1	2	1
PO Attainment	2.64	2.42	0.88	0.88	1.76	0.88

**Department of Studies
in
Biotechnology**

Outcome - Based Education

Semester I

Course Code:22D101

Course Title: Molecular Cell Biology (FCHC)

Course Credits:04 (3:1:0)

Hours of Teaching/Week: 03 (Theory)

Total Contact Hours:48 Hours (Theory)

Formative Assessment Marks:30 (Theory)

Exam Duration:3 Hours (Theory)

Semester End Examination Marks:70 (Theory)

Course Code	Direct Attainment	Indirect Attainment
22D101		
CO1	3	2.6
CO2	3	2.56
CO3	3	2.58
CO4	3	2.6
Average CO Attainment		

	Program Outcomes											
22D101	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	2	2	2	3	2	3	2.25	2.25	2.25	2.25	3	3
PO Attainment	1.97	1.97	1.97	2.96	1.97	2.96	2.22	2.22	2.22	2.22	2.96	2.96

Semester I

Course Code:22D102

Course Title: Fundamentals of Biochemistry (FCHC)

Course Credits:04 (3:1:0)

Hours of Teaching/Week: 03 (Theory)

Total Contact Hours:48 Hours (Theory)

Formative Assessment Marks:30 (Theory)

Exam Duration: 3 Hours (Theory)

Semester End Examination Marks: 70 (Theory)

Course Code 22D102	Direct Attainment	Indirect Attainment	CO Attainment
C1			
CO1	3	2.4	2.94
CO2	3	2.6	2.96
CO3	3	2.5	2.95
CO4	3	2.5	2.95
Average CO Attainment			2.95

Course Code						Program Outcomes						
22D102	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	2	2	2	2	2	2	2.25	2.5	2.5	3	3
PO Attainment	2.95	1.96	1.96	1.96	1.96	1.96	1.96	2.21	2.21	2.21	2.95	2.95

Semester I

Course Code:22D103

Course Title: Techniques in Biology (FCHC)

Course Credits:04 (3:1:0)

Hours of Teaching/Week: 03 (Theory)

Total Contact Hours:48 Hours (Theory)

Formative Assessment Marks:30 (Theory)

Exam Duration: 3 Hours (Theory)

Semester End Examination Marks: 70 (Theory)

Course Code 22D103	Direct Attainment	Indirect Attainment	CO Attainment
C1			
CO1	3	1.8	2.88
CO2	3	2.7	2.97
CO3	3	2.6	2.96
CO4	3	1.8	2.88
Average CO Attainment			2.92

Course Code							Program Outcomes					
22D103	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	3	2	3	2	3	2	2	2	2	3	3
PO Attainment	2.92	1.946	1.946	2.92	1.946	2.92	1.946	1.946	1.946	1.946	2.92	2.92

Semester I

Course Code:22D104

Course Title: Practical IA (FCHC)

Course Credits:02(0:0:2)

Hours of Teaching/Week: 12 (Practical)

Total Contact Hours:48 Hours (Practical)

Formative Assessment Marks:30 (Practical)

Exam Duration:4 Hours (Practical)

Semester End Examination Marks: 70(Practical)

Course Code 22D104	Direct Attainment	Indirect Attainment	CO Attainment
C1			
CO1	3	3.1	3.01
CO2	3	2.6	2.96
CO3	3	2.6	2.96
CO4	3	2.7	2.97
Average CO Attainment			2.97

[illegible]

Semester I

Course Code:22D105

Course Title: Practical IB (FCHC)

Course Credits:02(0:0:2)

Hours of Teaching/Week: 12 (Practical)

Total Contact Hours:48 Hours (Practical)

Formative Assessment Marks:30 (Practical)

Exam Duration: 4 Hours (Practical)

Semester End Examination Marks: 70 (Practical)

Course Code 22D105	Direct Attainment	Indirect Attainment	CO Attainment
C1			
CO1	3	3.1	3.01
CO2	3	2.6	2.96
CO3	3	2.6	2.96
CO4	3	2.7	2.97
Average CO Attainment			2.97

[illegible]

Semester I

Course Code:22D107

Course Title: Microbiology (FCSC)

Course Credits:03(3:0:0)

Hours of Teaching/Week: 3(Theory)

Total Contact Hours:48 Hours (Theory)

Formative Assessment Marks:30 (Theory)

Exam Duration: 4 Hours (Theory)

Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22D107			
CO1	3	2.55	2.96
CO2	3	2.57	2.96
CO3	3	2.57	2.96
CO4	3	2.62	2.96
Average CO Attainment			2.96

Course Code	Program Outcomes											
22D107	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	3	2	2	2	3	3	3	2	3	2	3
PO Attainment	2.96	2.96	1.97	1.97	1.97	2.96	2.96	2.96	1.97	2.96	1.97	2.96

Semester II

Course Code:22D201

Course Title: Molecular Biology (FCHC)

Course Credits:04 (3:1:0)

Hours of Teaching/Week: 03 (Theory)

Total Contact Hours:48 Hours (Theory)

Formative Assessment Marks:30 (Theory)

Exam Duration: 3 Hours (Theory)

Semester End Examination Marks: 70 (Theory)

Course Code 22D201	Direct Attainment	Indirect Attainment	CO Attainment
C1			
CO1	3	2.542	2.954
CO2	3	2.514	2.951
CO3	3	2.514	2.951
CO4	3	2.542	2.954
Average CO Attainment			2.952

[illegible]

Semester II

Course Code:22D202

Course Title: Genetic Engineering (FCHC)

Course Credits:04 (3:1:0)

Hours of Teaching/Week: 03 (Theory)

Total Contact Hours:48 Hours (Theory)

Formative Assessment Marks:30 (Theory)

Exam Duration: 3 Hours (Theory)

Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22D202			
CO1	3	2.54	2.95
CO2	3	2.51	2.95
CO3	3	2.44	2.94
CO4	3	2.51	2.95
Average CO Attainment			2.95

[illegible]

Semester II

Course Code:22D203

Course Title: Practical IIA (FCHC)

Course Credits:02(0:0:2)

Hours of Teaching/Week: 12 (Practical)

Total Contact Hours:48 Hours (Practical)

Formative Assessment Marks:30 (Practical)

Exam Duration: 4 Hours (Practical)

Semester End Examination Marks: 70 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22D203			
CO1	3	2.48	2.95
CO2	3	2.48	2.95
CO3	3	2.55	2.96
CO4	3	2.6	2.96
Average CO Attainment			2.96

[illegible]

Semester II

Course Code:22D204

Course Title: Practical IIB (FCHC)

Course Credits:02(0:0:2)

Hours of Teaching/Week: 12 (Practical)

Total Contact Hours:48 Hours (Practical)

Formative Assessment Marks:30 (Practical)

Exam Duration: 4 Hours (Practical)

Semester End Examination Marks: 70 (Practical)

Course Code 22D204	Direct Attainment	Indirect Attainment	CO Attainment
C1			
CO1	3	2.6	2.96
CO2	3	2.6	2.96
CO3	3	2.54	2.954
CO4	3	2.57	2.957
Average CO Attainment			2.957

[illegible]

Semester II

Course Code:22D205

Course Title: Molecular Diagnostics (FCSC)

Course Credits:03(3:0:0)

Hours of Teaching/Week: 3(Theory)

Total Contact Hours:48 Hours (Theory)

Formative Assessment Marks:30 (Theory)

Exam Duration: 4 Hours (Theory)

Semester End Examination Marks: 70 (Theory)

Course Code 22D205	Direct Attainment	Indirect Attainment	CO Attainment
C1			
CO1	3	2.63	2.9
CO2	3	2.51	2.951
CO3	3	2.53	2.953
CO4	3	2.48	2.948
Average CO Attainment			2.938

[illegible]

Semester II

Course Code:22D206

Course Title: Food and Environmental Biotechnology (FCSC)

Course Credits:03(3:0:0)

Hours of Teaching/Week: 3(Theory)

Total Contact Hours:48 Hours (Theory)

Formative Assessment Marks:30 (Theory)

Exam Duration: 4 Hours (Theory)

Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22D206			
CO1	3	2.59	2.96
CO2	3	2.59	2.96
CO3	3	2.59	2.96
CO4	3	2.61	2.96
Average CO Attainment			2.96

Course Code	Program Outcomes											
22D206	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	3	2	3	2	3	3	3	2	3	2	3
PO Attainment	2.96	2.96	1.97	2.96	1.97	2.96	2.96	2.96	1.97	2.96	1.97	2.96

Semester III

Course Code:22D301

Course Title: Plant Biotechnology (HC)

Course Credits:04 (3:1:0)

Hours of Teaching/Week: 03 (Theory)

Total Contact Hours:48 Hours (Theory)

Formative Assessment Marks:30 (Theory)

Exam Duration: 3 Hours (Theory)

Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22D301			
CO1	3	2.55	2.96
CO2	3	2.45	2.95
CO3	3	2.34	2.93
CO4	3	2.43	2.94
Average CO Attainment			2.95

Course Code	Program Outcomes											
22D301	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	3	3	3	3	2	2	3	3	3	3	3
PO Attainment	2.95	2.95	2.95	2.95	2.95	1.97	1.97	2.95	2.95	2.95	2.95	2.95

Semester III

Course Code:22D302

Course Title: Animal Biotechnology (HC)

Course Credits:04 (3:1:0)

Hours of Teaching/Week: 03 (Theory)

Total Contact Hours:48 Hours (Theory)

Formative Assessment Marks:30 (Theory)

Exam Duration: 3 Hours (Theory)

Semester End Examination Marks: 70 (Theory)

Course Code 22D302	Direct Attainment	Indirect Attainment	CO Attainment
C1			
CO1	3	2.58	2.958
CO2	3	2.558	2.955
CO3	3	2.67	2.967
CO4	3	2.62	2.962
Average CO Attainment			2.96

Course Code	Program Outcomes											
22D302	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	3	3	3	3	2	2	3	3	3	3	3
PO Attainment	2.96	2.96	2.96	2.96	2.96	1.97	1.97	2.96	2.96	2.96	2.96	2.96

Semester III

Course Code:22D303

Course Title: Immunology (FCHC)

Course Credits:04 (3:1:0)

Hours of Teaching/Week: 03 (Theory)

Total Contact Hours:48 Hours (Theory)

Formative Assessment Marks:30 (Theory)

Exam Duration: 3 Hours (Theory)

Semester End Examination Marks: 70 (Theory)

Course Code 22D303	Direct Attainment	Indirect Attainment	CO Attainment
C1			
CO1	3	2.5	2.95
CO2	3	2.11	2.911
CO3	3	2.52	2.952
CO4	3	2.54	2.954
Average CO Attainment			2.941

Course Code	Program Outcomes											
22D303	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	3	3	3	3	2	2	3	3	3	3	3
PO Attainment	2.941	2.941	2.941	2.941	2.941	1.96	1.96	2.941	2.941	2.941	2.941	2.941

Semester III

Course Code:22D304

Course Title: Practical-III (HC)

Course Credits:04(0:0:4)

Hours of Teaching/Week: 12 (Practical)

Total Contact Hours:48 Hours (Practical)

Formative Assessment Marks:30 (Practical)

Exam Duration: 4 Hours (Practical)

Semester End Examination Marks: 70 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22D304			
CO1	3	2.59	2.96
CO2	3	2.59	2.96
CO3	3	2.57	2.96
CO4	3	2.52	2.95
Average CO Attainment			2.96

[illegible]

Semester III

Course Code:22D305

Course Title: Natural products & Drug discovery (SC)

Course Credits:04 (3:1:0)

Hours of Teaching/Week: 03 (Theory)

Total Contact Hours:48 Hours (Theory)

Formative Assessment Marks:30 (Theory)

Exam Duration: 3 Hours (Theory)

Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22D305			
CO1	3	2.52	2.95
CO2	3	2.55	2.96
CO3	3	2.48	2.95
CO4	3	2.52	2.95
Average CO Attainment			2.95

Course Code	Program Outcomes											
22D305	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	3	3	3	3	2	2	3	3	3	3	3
PO Attainment	2.95	2.95	2.95	2.95	2.95	1.97	1.97	2.95	2.95	2.95	2.95	2.95

Semester III

Course Code:22D306

Course Title: Biostatistics & Bioinformatics (SC)

Course Credits:04 (3:1:0)

Hours of Teaching/Week: 03 (Theory)

Total Contact Hours:48 Hours (Theory)

Formative Assessment Marks:30 (Theory)

Exam Duration: 3 Hours (Theory)

Semester End Examination Marks: 70 (Theory)

Course Code 22D306	Direct Attainment	Indirect Attainment	CO Attainment
C1			
CO1	3	2.5	2.95
CO2	3	2.43	2.943
CO3	3	2.52	2.952
CO4	3	2.45	2.945
Average CO Attainment			2.947

[illegible]

Semester IV

Course Code:22D402

Course Title: Molecular plant pathology (SC)

Course Credits:04 (3:1:0)

Hours of Teaching/Week: 12 (Theory)

Total Contact Hours:48 Hours (Theory)

Formative Assessment Marks:30 (Theory)

Exam Duration: 4 Hours (Theory)

Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22D402			
CO1	3	2.59	2.96
CO2	3	2.51	2.95
CO3	3	2.61	2.96
CO4	3	2.59	2.96
Average CO Attainment			2.96

Course Code	Program Outcomes											
22D402	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	3	2	3	2	3	3	3	2	3	2	3
PO Attainment	2.96	2.96	1.97	2.96	1.97	2.96	2.96	2.96	1.97	2.96	1.97	2.96

**Department of Studies
in
Biochemistry**

Outcome - Based Education

Semester I

Course Code:21F101

Course Title: Fundamentals of Biochemistry (FCHC)

Course Credits:04(LTP-3:1:0)

Hours of Teaching/Week: 03 (Theory)

Total Contact Hours:48 Hours (Theory)

Formative Assessment Marks:30 (Theory)

Exam Duration: 3 Hours (Theory)

Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21F101			
CO1	2.3	2.74	2.34
CO2	2.3	2.62	2.33
CO3	2.3	2.7	2.34
CO4	2.3	2.47	2.32
Average CO Attainment	2.34		

Course Code	Program Outcomes											
21F101	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	2	1.75	1.75	1.75	2	2	2	3	3	3	3	3
PO Attainment	1.56	1.37	1.37	1.37	1.56	1.56	1.56	2.34	2.34	2.34	2.34	2.34

Semester I

Course Code:21F102

Course Title: Techniques in Biology (FCHC)

Course Credits:04(LTP-3:1:0)

Hours of Teaching/Week: 03 (Theory)

Total Contact Hours:48 Hours (Theory)

Formative Assessment Marks:30 (Theory)

Exam Duration: 3 Hours (Theory)

Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21F102			
CO1	2.3	2.66	2.34
CO2	2.3	2.55	2.33
CO3	2.3	2.62	2.33
CO4	2.3	2.47	2.32
Average CO Attainment	2.33		

Course Code	Program Outcomes											
21F102	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	2	1.75	1.75	1.75	2	2	2	3	3	3	3	3
PO Attainment	1.55	1.36	1.36	1.36	1.55	1.55	1.55	2.33	2.33	2.33	2.33	2.33

Semester I

Course Code:21F103

Course Title: Molecular Cell Biology (FCHC)

Course Credits:04(LTP-3:1:0)

Hours of Teaching/Week: 03 (Theory)

Total Contact Hours:48 Hours (Theory)

Formative Assessment Marks:30 (Theory)

Exam Duration: 3 Hours (Theory)

Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21F103			
CO1	3	2.66	2.97
CO2	3	2.55	2.96
CO3	3	2.62	2.96
CO4	3	2.47	2.95
Average CO Attainment	2.96		

Course Code	Program Outcomes											
21F103	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	3	3	3	3	2.75	2.75	3	3	3	3	3
PO Attainment	2.96	2.96	2.96	2.96	2.96	2.71	2.71	2.96	2.96	2.96	2.96	2.96

Semester I

Course Code:21F104

Course Title: Practical 1A (Experiments in Fundamentals of Biochemistry & Techniques in biology, Laboratory Visits) (HC)

Course Credits:02 (LTP - 0:0:4)

Hours of Teaching/Week: 06(Practical)

Total Contact Hours:64 Hours (Practical)

Formative Assessment Marks:30 (Practical)

Exam Duration: 6 Hours (Practical)

Semester End Examination Marks: 70 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21F104			
CO1	3	2.89	2.99
CO2	3	2.87	2.99
CO3	3	2.85	2.99
CO4	3	2.89	2.99
Average CO Attainment	2.99		

Course Code	Program Outcomes											
21F104	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	3	3	3	3	2.75	2.75	3	3	3	3	3
PO Attainment	2.99	2.99	2.99	2.99	2.99	2.74	2.74	2.99	2.99	2.99	2.99	2.99

Semester I

Course Code:21F105

Course Title: Practical 1B (Experiments in Molecular Cell Biology & Genetics Microbiology and Seminar.) (HC)

Course Credits:02 (LTP - 0:0:4)

Hours of Teaching/Week: 06(Practical)

Total Contact Hours:64 Hours (Practical)

Formative Assessment Marks:30 (Practical)

Exam Duration: 6 Hours (Practical)

Semester End Examination Marks: 70 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21F105			
CO1	3	2.89	2.99
CO2	3	2.87	2.99
CO3	3	2.85	2.99
CO4	3	2.89	2.99
Average CO Attainment	2.99		

Course Code	Program Outcomes											
21F105	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	3	3	3	3	2.75	2.75	3	3	3	3	3
PO Attainment	2.99	2.99	2.99	2.99	2.99	2.74	2.74	2.99	2.99	2.99	2.99	2.99

Semester I

Course Code:21F106

Course Title: Genetics (FCSC)

Course Credits:03 (LTP - 3:1:0)

Hours of Teaching/Week: 03 (Theory)

Total Contact Hours:48 Hours (Theory)

Formative Assessment Marks:30 (Theory)

Exam Duration: 3 Hours (Theory)

Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21F106			
CO1	3	2.89	2.99
CO2	3	2.87	2.99
CO3	3	2.85	2.99
CO4	3	2.89	2.99
Average CO Attainment	2.99		

Course Code	Program Outcomes											
21F106	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	3	3	3	3	2.75	2.75	3	3	3	3	3
PO Attainment	2.99	2.99	2.99	2.99	2.99	2.74	2.74	2.99	2.99	2.99	2.99	2.99

Semester I

Course Code:21F107

Course Title: Microbiology (FCSC)

Course Credits:03 (LTP - 3:1:0)

Hours of Teaching/Week: 03 (Theory)

Total Contact Hours:48 Hours (Theory)

Formative Assessment Marks:30 (Theory)

Exam Duration: 3 Hours (Theory)

Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21F107			
CO1	3	2.74	2.97
CO2	3	2.62	2.96
CO3	3	2.7	2.97
CO4	3	2.47	2.95
Average CO Attainment	2.97		

Course Code	Program Outcomes											
21F107	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	3	3	3	3	2.75	2.75	3	3	3	3	3
PO Attainment	2.97	2.97	2.97	2.97	2.97	2.72	2.72	2.97	2.97	2.97	2.97	2.97

Semester II

Course Code:21F201

Course Title: Molecular Biology (FCHC)

Course Credits:04 (LTP - 3:1:0)

Hours of Teaching/Week: 03 (Theory)

Total Contact Hours:48 Hours (Theory)

Formative Assessment Marks:30 (Theory)

Exam Duration: 3 Hours (Theory)

Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21F201			
CO1	3	2.85	2.99
CO2	3	2.91	2.99
CO3	3	2.91	2.99
CO4	3	2.96	3
Average CO Attainment	2.99		

Course Code	Program Outcomes											
21F201	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	3	3	3	3	2.75	2.75	3	3	3	3	3
PO Attainment	2.99	2.99	2.99	2.99	2.99	2.74	2.74	2.99	2.99	2.99	2.99	2.99

Semester II

Course Code:21F202

Course Title: Metabolism of Carbohydrates (HC)

Course Credits:04 (LTP - 3:1:0)

Hours of Teaching/Week: 03 (Theory)

Total Contact Hours:48 Hours (Theory)

Formative Assessment Marks:30 (Theory)

Exam Duration: 3 Hours (Theory)

Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21F202			
CO1	3	2.85	2.99
CO2	3	2.91	2.99
CO3	3	2.91	2.99
CO4	3	2.96	3
Average CO Attainment	2.99		

Course Code	Program Outcomes											
21F202	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	3	3	3	3	2.75	2.75	3	3	3	3	3
PO Attainment	2.99	2.99	2.99	2.99	2.99	2.74	2.74	2.99	2.99	2.99	2.99	2.99

Semester II

Course Code:21F203	Course Title: Bioorganic and Bioinorganic Chemistry(HC)
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Course Credits:04 (LTP - 3:1:0)	Hours of Teaching/Week: 03 (Theory)
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Total Contact Hours:48 Hours (Theory)	Formative Assessment Marks:30 (Theory)
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Exam Duration: 3 Hours (Theory)	Semester End Examination Marks: 70 (Theory)
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Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21F203			
CO1	3	2.85	2.99
CO2	3	2.91	2.99
CO3	3	2.91	2.99
CO4	3	2.96	3
Average CO Attainment	2.99		

Course Code	Program Outcomes											
21F203	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	3	3	3	3	2.75	2.75	3	3	3	3	3
PO Attainment	2.99	2.99	2.99	2.99	2.99	2.74	2.74	2.99	2.99	2.99	2.99	2.99

Semester II

Course Code:21F204

Course Title: Practical 2A(Experiments in Molecular Biology; Bioorganic & Bioinorganic chemistry; Laboratory visits and reports)(HC)

Course Credits:02(LTP - 0:0:4)

Hours of Teaching/Week: 06 (Practical)

Total Contact Hours:64 Hours (Practical)

Formative Assessment Marks:30 (Practical)

Exam Duration:06Hours (Practical)

Semester End Examination Marks: 70 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21F204			
CO1	3	2.89	2.99
CO2	3	2.89	2.99
CO3	3	2.89	2.99
CO4	3	2.85	2.99
Average CO Attainment	2.99		

Course Code	Program Outcomes											
21F204	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	2.75	3	2.75	3	2.75	3	3	3	3	3	3
PO Attainment	2.99	2.74	2.99	2.74	2.99	2.74	2.99	2.99	2.99	2.99	2.99	2.99

Semester II

Course Code:21F205

Course Title: Practical 2B (Experiments in Metabolism of Carbohydrates and lipids; Seminar) (HC)

Course Credits:02(LTP - 0:0:4)

Hours of Teaching/Week: 06 (Practical)

Total Contact Hours:64 Hours (Practical)

Formative Assessment Marks:30 (Practical)

Exam Duration:06Hours (Practical)

Semester End Examination Marks: 70 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21F205			
CO1	3	2.89	2.99
CO2	3	2.89	2.99
CO3	3	2.89	2.99
CO4	3	2.85	2.99
Average CO Attainment	2.99		

Course Code	Program Outcomes											
21F205	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	2.75	3	2.75	3	2.75	3	3	3	3	3	3
PO Attainment	2.99	2.74	2.99	2.74	2.99	2.74	2.99	2.99	2.99	2.99	2.99	2.99

Semester II

Course Code:21F206

Course Title: Metabolism of Lipids (SC)

Course Credits:03 (LTP - 3:1:0)

Hours of Teaching/Week: 03 (Theory)

Total Contact Hours:48 Hours (Theory)

Formative Assessment Marks:30 (Theory)

Exam Duration: 3 Hours (Theory)

Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21F206			
CO1	3	2.85	2.99
CO2	3	2.91	2.99
CO3	3	2.91	2.99
CO4	3	2.96	3
Average CO Attainment	2.99		

Course Code	Program Outcomes											
21F206	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	3	3	3	3	2.75	2.75	3	3	3	3	3
PO Attainment	2.99	2.99	2.99	2.99	2.99	2.74	2.74	2.99	2.99	2.99	2.99	2.99

Semester III

Course Code:21F301

Course Title: Immunology (FCHC)

Course Credits:04 (LTP - 3:1:0)

Hours of Teaching/Week: 03 (Theory)

Total Contact Hours:48 Hours (Theory)

Formative Assessment Marks:30 (Theory)

Exam Duration: 3 Hours (Theory)

Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21F301			
CO1	3	2.85	2.99
CO2	3	2.91	2.99
CO3	3	2.91	2.99
CO4	3	2.96	3
Average CO Attainment	2.99		

Course Code	Program Outcomes											
21F301	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	3	3	3	3	2.75	2.75	3	3	3	3	3
PO Attainment	2.99	2.99	2.99	2.99	2.99	2.74	2.74	2.99	2.99	2.99	2.99	2.99

Semester III

Course Code:21F302

Course Title: Enzymology (HC)

Course Credits:04 (LTP - 3:1:0)

Hours of Teaching/Week: 03 (Theory)

Total Contact Hours:48 Hours (Theory)

Formative Assessment Marks:30 (Theory)

Exam Duration: 3 Hours (Theory)

Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21F302			
CO1	3	2.85	2.99
CO2	3	2.91	2.99
CO3	3	2.91	2.99
CO4	3	2.96	3
Average CO Attainment	2.99		

Course Code	Program Outcomes											
21F302	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	3	3	3	3	2.75	2.75	3	3	3	3	3
PO Attainment	2.99	2.99	2.99	2.99	2.99	2.74	2.74	2.99	2.99	2.99	2.99	2.99

Semester III

Course Code:21F303

Course Title: Practical 3A (Experiments in Immunology, Metabolism of Amino acids, Proteins and Nucleic acids; Study Tour and tour report.) (HC)

Course Credits:02(LTP - 0:0:4)

Hours of Teaching/Week: 06 (Practical)

Total Contact Hours:64 Hours (Practical)

Formative Assessment Marks:30 (Practical)

Exam Duration:06Hours (Practical)

Semester End Examination Marks: 70 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21F302			
CO1	3	2.85	2.99
CO2	3	2.91	2.99
CO3	3	2.91	2.99
CO4	3	2.96	3
Average CO Attainment	2.99		

Course Code	Program Outcomes											
21F302	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	3	3	3	3	2.75	2.75	3	3	3	3	3
PO Attainment	2.99	2.99	2.99	2.99	2.99	2.74	2.74	2.99	2.99	2.99	2.99	2.99

Semester III

Course Code:21F304

**Course Title: Practical 3B (Experiments in Enzymology;
Research Paper Presentation; review of literature) (HC)**

Course Credits:02(LTP - 0:0:4)

Hours of Teaching/Week: 06 (Practical)

Total Contact Hours:64 Hours (Practical)

Formative Assessment Marks:30 (Practical)

Exam Duration:06Hours (Practical)

Semester End Examination Marks: 70 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21F304			
CO1	3	2.89	2.99
CO2	3	2.89	2.99
CO3	3	2.89	2.99
CO4	3	2.85	2.99
Average CO Attainment	2.99		

Course Code	Program Outcomes											
21F304	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	2.75	3	2.75	3	2.75	3	3	3	3	3	3
PO Attainment	2.99	2.74	2.99	2.74	2.99	2.74	2.99	2.99	2.99	2.99	2.99	2.99

Semester III

Course Code:21F305

Course Title: Metabolism of Nucleic Acids (SC)

Course Credits:03 (LTP - 3:1:0)

Hours of Teaching/Week: 03 (Theory)

Total Contact Hours:48 Hours (Theory)

Formative Assessment Marks:30 (Theory)

Exam Duration: 3 Hours (Theory)

Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21F305			
CO1	3	2.85	2.99
CO2	3	2.91	2.99
CO3	3	2.91	2.99
CO4	3	2.96	3
Average CO Attainment	2.99		

Course Code	Program Outcomes											
21F305	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	3	3	3	3	2.75	2.75	3	3	3	3	3
PO Attainment	2.99	2.99	2.99	2.99	2.99	2.74	2.74	2.99	2.99	2.99	2.99	2.99

Semester III

Course Code:21F306

Course Title: Metabolism of Amino acids and Proteins (SC)

Course Credits:03 (LTP - 3:1:0)

Hours of Teaching/Week: 03 (Theory)

Total Contact Hours:48 Hours (Theory)

Formative Assessment Marks:30 (Theory)

Exam Duration: 3 Hours (Theory)

Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21F306			
CO1	3	2.85	2.99
CO2	3	2.91	2.99
CO3	3	2.91	2.99
CO4	3	2.96	3
Average CO Attainment	2.99		

Course Code	Program Outcomes											
21F306	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	3	3	3	3	2.75	2.75	3	3	3	3	3
PO Attainment	2.99	2.99	2.99	2.99	2.99	2.74	2.74	2.99	2.99	2.99	2.99	2.99

Semester IV

Course Code:21F401

Course Title: Project Work (HC)

Course Credits:10(LTP - 0:2:20)

Hours of Teaching/Week: 20(Practical)

Total Contact Hours:320 Hours (Practical)

Formative Assessment Marks:30 (Practical)

Exam Duration: 6 Hours (Practical)

Semester End Examination Marks: 70 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21F401			
CO1	3	2.89	2.99
CO2	3	2.87	2.99
CO3	3	2.85	2.99
CO4	3	2.89	2.99
Average CO Attainment	2.99		

Course Code	Program Outcomes											
21F401	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	2	2	2.75	2.25	2	2	3	3	3	3	3	3
PO Attainment	1.99	1.99	2.74	2.24	1.99	1.99	2.99	2.99	2.99	2.99	2.99	2.99

Semester IV

Course Code:21F403

Course Title: Biotechnology (SC)

Course Credits:03 (LTP - 3:1:0)

Hours of Teaching/Week: 03 (Theory)

Total Contact Hours:48 Hours (Theory)

Formative Assessment Marks:30 (Theory)

Exam Duration: 3 Hours (Theory)

Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
21F403			
CO1	3	2.89	2.99
CO2	3	2.87	2.99
CO3	3	2.98	3
CO4	3	0.21	2.72
Average CO Attainment	2.99		

Course Code	Program Outcomes											
21F403	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	2	2	2.75	2.25	2	2	3	3	3	3	3	3
PO Attainment	1.99	1.99	2.74	2.24	1.99	1.99	2.99	2.99	2.99	2.99	2.99	2.99

**Department of Studies
in
Microbiology**

Outcome - Based Education

Semester I

Course Code: 22E101

Course Title: Bacteriology (HC)

Course Credits: 04

Hours of Teaching/Week: 03 (Theory)

Total Contact Hours: 48

Formative Assessment Marks: 30 (Theory)

Exam Duration: 3 Hours (Theory)

Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22E101			
CO1	3	2.97	2.99
CO2	3	2.97	2.99
CO3	3	2.86	2.98
CO4	3	2.94	2.99
Average CO Attainment			2.98

Course Code	Program Outcomes											
22E101	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	3	2.75	3	3	3	2.75	3	3	2.75	3	3
PO Attainment	2.98	2.98	2.73	2.98	2.98	2.98	2.73	2.98	2.98	2.73	2.98	2.98

Semester I

Course Code: 22E102

Course Title: Virology (HC)

Course Credits: 04

Hours of Teaching/Week: 03 Hour (Theory)

Total Contact Hours: 48 Hours (Theory)

Formative Assessment Marks: 30 (Theory)

Exam Duration: 3 Hours

Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22E102			
CO1	3	3	3
CO2	3	2.95	2.99
CO3	3	2.94	2.98
CO4	3	2.95	2.99
Average CO Attainment			2.99

Course Code	Program Outcomes											
22E102	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	3	3	2.75	3	3	3	3	3	3	3	3

PO Attainment	2.99	2.99	2.99	2.74	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99
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Semester I

Course Code: 22E103

Course Title: Techniques in Biology (FCHC)

Course Credits: 04

Hours of Teaching/Week: 03 Hour (Theory)

Total Contact Hours: 48 Hours (Theory)

Formative Assessment Marks: 30 (Theory)

Exam Duration: 3 Hours

Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22E103			
CO1	3	2.89	2.98
CO2	3	2.94	2.99
CO3	3	2.94	2.99
CO4	3	2.86	2.98
Average CO Attainment			2.98

Course Code	Program Outcomes											
22E103	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course	3	3	3	2.75	3	3	3	3	2.75	3	3	3

Articulation Matrix												
PO Attainment	2.98	2.98	2.98	2.73	2.98	2.98	2.98	2.98	2.73	2.98	2.98	2.98

Semester I

Course Code: 22E104

Course Title: Molecular Cell Biology (FCHC)

Course Credits: 04

Hours of Teaching/Week: 03 Hour (Theory)

Total Contact Hours: 48 Hours (Theory)

Formative Assessment Marks: 30 (Theory)

Exam Duration: 3 Hours

Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22E104			
CO1	3	2.97	2.99
CO2	3	2.97	2.99
CO3	3	2.97	2.99
CO4	3	2.86	2.98
Average CO Attainment			2.98

Course Code	Program Outcomes											
22E104	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12

Weighted Average from Course Articulation Matrix	3	3	3	3	2.75	2.5	3	3	3	3	3	3
PO Attainment	2.98	2.98	2.98	2.98	2.73	2.48	2.98	2.98	2.98	2.98	2.98	2.98

Semester I

Course Code: 22E105

Course Title: Practical IA (Techniques in Biology & Bacteriology & Virology)

Course Credits: 02

Hours of Teaching/Week:

03 Hour (Practical)

Total Contact Hours: 32 Hours (Practical)

Formative Assessment Marks: 30 (Practical)

Exam Duration: 3 Hours

Semester End Examination Marks: 70 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22E105			
CO1	3	2.94	2.99
CO2	3	3	3
CO3	3	2.94	2.99
CO4	3	2.71	2.97
Average CO Attainment			2.98

Course Code	Program Outcomes
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22E105	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	3	3	2.75	3	3	3	3	3	3	3	3
PO Attainment	2.98	2.98	2.98	2.73	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98

Semester I

Course Code: 22E106

Course Title: Practical IB (Molecular Cell Biology & Environmental Microbiology)

Course Credits: 02

Hours of Teaching/Week: 03 Hour (Practical)

Total Contact Hours: 32 Hours (Practical)

Formative Assessment Marks: 30 (Practical)

Exam Duration: 3 Hours

Semester End Examination Marks: 70 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22E106			
CO1	3	2.94	2.99
CO2	3	3	3
CO3	3	2.94	2.99
CO4	3	2.71	2.97
Average CO Attainment			2.96

Course Code	Program Outcomes											
22E106	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	3	2.75	3	3	3	3	3	3	3	3	3
PO Attainment	2.996	2.996	2.74	2.996	2.996	2.996	2.996	2.996	2.996	2.996	2.996	2.996

Semester I

Course Code: 22E107

Course Title: Environmental Microbiology

Course Credits: 03

Hours of Teaching/Week: 03 Hour (Theory)

Total Contact Hours: 48 Hours (Theory)

Formative Assessment Marks: 30 (Theory)

Exam Duration: 3 Hours

Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22E107			
CO1	3	2.94	2.99
CO2	3	3	3
CO3	3	2.94	2.99
CO4	3	2.71	2.97
Average CO Attainment			2.996

Course Code	Program Outcomes											
22E107	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	3	2.75	3	3	2.75	3	3	2.75	3	3	3
PO Attainment	2.996	2.996	2.74	2.996	2.996	2.74	2.996	2.996	2.74	2.996	2.996	2.996

Semester II

Course Code: 22E201

Course Title: Molecular Biology (FCHC)

Course Credits: 04

Hours of Teaching/Week: 03 Hour (Theory)

Total Contact Hours: 48 Hours (Theory)

Formative Assessment Marks: 30 (Theory)

Exam Duration: 3 Hours

Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22E201			
CO1	3	2.97	3
CO2	3	2.89	2.99
CO3	3	2.78	2.98
CO4	3	2.84	2.99
Average CO Attainment			2.99

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Course Code	Program Outcomes											
22E201	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	3	2.75	3	3	3	3	2.75	3	3	3	3
PO Attainment	2.99	2.99	2.74	2.99	2.99	2.99	2.99	2.74	2.99	2.99	2.99	2.99

Semester II

Course Code: 22E202

Course Title: Genetic Engineering (FCHC)

Course Credits: 04

Hours of Teaching/Week: 03 Hour (Theory)

Total Contact Hours: 48 Hours (Theory)

Formative Assessment Marks: 30 (Theory)

Exam Duration: 3 Hours

Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22E202			
CO1	3	2.97	2.99
CO2	3	3	3
CO3	3	2.94	2.99
CO4	3	2.86	2.98

Average CO Attainment	2.99
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Course Code	Program Outcomes											
22E202	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	2.75	3	3	3	3	3	3	3	3	3	3
PO Attainment	2.99	2.74	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99

Semester II

Course Code: 22E203

Course Title: Practical II A (Molecular Biology & Genetic Engineering)

Course Credits: 02

Hours of Teaching/Week: 03 Hour (Practical)

Total Contact Hours: 32 Hours (Practical)

Formative Assessment Marks: 30 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22E203			
CO1	3	3	3
CO2	3	2.95	2.99
CO3	3	2.95	2.99
CO4	3	2.89	2.98

Average CO Attainment	2.99
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Course Code	Program Outcomes											
22E203	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	3	3	3	3	3	3	3	3	3	3	3
PO Attainment	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99

Semester II

Course Code: 22E204

Course Title: Practical IIB Microbial Physiology

Course Credits: 02

Hours of Teaching/Week: 03 Hour (Practical)

Total Contact Hours: 32Hours (Practical)

Formative Assessment Marks: 30 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22E204			
CO1	3	3	3
CO2	3	2.95	2.99
CO3	3	2.95	2.99

CO4	3	2.89	2.98
Average CO Attainment			2.99

Course Code	Program Outcomes											
22E204	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	3	3	3	3	3	3	3	3	3	3	3
PO Attainment	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99

Semester II

Course Code: 22E205

Course Title: Microbial Physiology

Course Credits: 03

Hours of Teaching/Week:

03 Hour (Theory)

Total Contact Hours: 48 Hours (Theory)

Formative Assessment Marks: 30 (Theory)

Exam Duration: 3 Hours

Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22E205			
CO1	3	3	3
CO2	3	2.95	2.99

CO3	3	2.95	2.99
CO4	3	2.89	2.98
Average CO Attainment			2.99

Course Code	Program Outcomes											
22E205	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	3	3	3	3	3	3	3	3	3	3	3
PO Attainment	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99

Semester III

Course Code: 22E301

Course Title: Medical Microbiology (HC)

Course Credits: 04

Hours of Teaching/Week:

03 Hour (Theory)

Total Contact Hours: 48 Hours (Theory)

Formative Assessment Marks: 30 (Theory)

Exam Duration: 3 Hours

Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22E301			
CO1	3	3	3

CO2	3	2.95	2.99
CO3	3	2.94	2.98
CO4	3	2.95	2.99
Average CO Attainment			2.99

Course Code	Program Outcomes											
22E301	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	3	3	3	3	3	3	3	3	3	3	3
PO Attainment	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99

Semester III

Course Code: 22E302

Course Title: Immunology (FCHC)

Course Credits: 04

Hours of Teaching/Week: 03 Hour (Theory)

Total Contact Hours: 48 Hours (Theory)

Formative Assessment Marks: 30 (Theory)

Exam Duration: 3 Hours

Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22E302			
CO1	3	2.89	2.98

CO2	3	2.84	2.98
CO3	3	2.79	2.97
CO4	3	2.76	2.97
Average CO Attainment			2.97

Course Code	Program Outcomes											
22E302	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	3	3	3	3	2.75	3	3	3	3	3	3
PO Attainment	2.99	2.99	2.97	2.99	2.99	2.74	2.99	2.99	2.99	2.99	2.99	2.99

Semester III

Course Code: 22E303

Course Title: Food Microbiology (HC)

Course Credits: 04

Hours of Teaching/Week: 03 Hour (Theory)

Total Contact Hours: 48 Hours (Theory)

Formative Assessment Marks: 30 (Theory)

Exam Duration: 3 Hours

Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22E303			
CO1	3	2.97	2.99

CO2	3	2.91	2.99
CO3	3	2.94	2.99
CO4	3	2.92	2.99
Average CO Attainment			2.99

Course Code	Program Outcomes											
22E303	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	2.75	3	3	2.75	3	3	3	3	3	3	3
PO Attainment	2.99	2.74	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99

Semester III

Course Code: 22E304

Course Title: Practical III A (Immunology & Medical Microbiology & Food Microbiology)

Course Credits: 02

Hours of Teaching/Week: 03 Hour (Practical)

Total Contact Hours: 48 Hours (Practical)

Formative Assessment Marks: 30 (Practical)

Exam Duration: 3 Hours

Semester End Examination Marks: 70 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22E304			
CO1	3	3	3

CO2	3	2.94	2.99
CO3	3	2.89	2.98
CO4	3	2.94	2.99
Average CO Attainment			2.99

Course Code	Program Outcomes											
22E304	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	3	3	3	3	3	3	3	3	3	3	3
PO Attainment	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99

Semester III

Course Code: 22E305

Course Title: Practical III B (Genetics & Mycology)

Course Credits: 02

Hours of Teaching/Week: 03 Hour (Practical)

Total Contact Hours: 48 Hours (Practical)

Formative Assessment Marks: 30 (Practical)

Exam Duration: 3 Hours

Semester End Examination Marks: 70 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22E305			

CO1	3	3	3
CO2	3	2.94	2.99
CO3	3	2.90	2.98
CO4	3	2.94	2.99
Average CO Attainment			2.993

Course Code	Program Outcomes											
22E305	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	3	3	3	3	3	3	3	3	3	3	3
PO Attainment	2.993	2.993	2.993	2.993	2.993	2.993	2.993	2.993	2.993	2.993	2.993	2.993

Semester III

Course Code: 22E306

Course Title: Genetics (SC)

Course Credits: 03

Hours of Teaching/Week: 03 Hour (Theory)

Total Contact Hours: 48 Hours (Theory)

Formative Assessment Marks: 30 (Theory)

Exam Duration: 3 Hours

Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22E306			

CO1	3	3	3
CO2	2.89	2.986	2.89
CO3	2.84	2.984	2.84
CO4	2.82	2.992	2.82
Average CO Attainment			2.988

Course Code	Program Outcomes											
22E306	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	3	3	3	3	3	3	3	3	3	3	3
PO Attainment	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99

Semester III

Course Code: 22E307

Course Title: Mycology (SC)

Course Credits: 03

Hours of Teaching/Week: 03 Hour (Theory)

Total Contact Hours: 48 Hours (Theory)

Formative Assessment Marks: 30 (Theory)

Exam Duration: 3 Hours

Semester End Examination Marks: 70 (Theory)

Course Code	Direct	Indirect	CO
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22E307	Attainment	Attainment	Attainment
CO1	3	3	3
CO2	2.992	2.992	2.99
CO3	2.992	2.992	2.99
CO4	2.992	2.992	2.82
Average CO Attainment			2.994

Course Code	Program Outcomes											
22E307	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	3	3	2.75	3	3	3	3	3	3	3	3
PO Attainment	2.994	2.994	2.994	2.744	2.994	2.994	2.994	2.994	2.994	2.994	2.994	2.994

Semester IV

Course Code: 22E402

Course Title: Agricultural Microbiology (HC)

Course Credits: 03

Hours of Teaching/Week:

03 Hour (Theory)

Total Contact Hours: 48 Hours (Theory)

Formative Assessment Marks: 30 (Theory)

Exam Duration: 3 Hours

Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
22E402			
CO1	3	3	3
CO2	3	2.95	2.99
CO3	3	2.94	2.98
CO4	3	2.95	2.99
Average CO Attainment			2.99

Course Code	Program Outcomes											
22E402	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	3	3	2.75	3	3	3	3	3	3	3	3
PO Attainment	2.99	2.99	2.99	2.74	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99

Semester IV

Course Code: 22E403

Course Title: Industrial Microbiology (HC)

Course Credits: 03

Hours of Teaching/Week: 03 Hour (Theory)

Total Contact Hours: 48 Hours (Theory)

Formative Assessment Marks: 30 (Theory)

Exam Duration: 3 Hours

Semester End Examination Marks: 70 (Theory)

**Department of Studies
in
SOCIAL WORK**

Outcome - Based Education

SEMESTER I

Course Code: 10071

Course Title: Social Work- History and ideologies

Course Credits: L:T:P::2:1:0

Hours of Teaching/Week: 04 (Theory)

Total Contact Hours: 64 Hours

Formative Assessment Marks: 70+30

Exam Duration: 3 Hours (Theory)

Semester End Examination Marks: 100 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
10071			
CO1	2.55	2.36	2.53
CO2	3	2.43	2.94
CO3	2.55	2.43	2.54
Average CO Attainment			2.67

Coures Code	Program Outcomes											
10071	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	2.7	3	2.7	3	3	3	2.7	3	3	2.7	3	2.7
PO Attainment	2.4	2.67	2.4	2.67	2.67	2.67	2.4	2.67	2.67	2.4	2.67	2.4

Course Code: 10072

Course Title: Society & Dynamics of Human Behavior

Course Credits: L: T:P:2:1:0

Hours of Teaching/Week: 04 (Theory)

Total Contact Hours: 64 Hours

Formative Assessment Marks: 70+30

Exam Duration: 3 Hours (Theory)

Semester End Examination Marks: 100 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
10072			
CO1	3	2.29	2.93
CO2	3	2.43	2.94
CO3	3	2.43	2.94
Average CO Attainment			2.94

Courses
10072
Weighted Average from CO Articulation
PO Attainment

Course Code: 10073

Course Title: Work with individuals and families

Course Credits: L:T:P::2:1:0

Hours of Teaching/Week: 04 (Theory) + 02 (Practical)

Total Contact Hours: 64 Hours

Formative Assessment Marks: 70+30

Exam Duration: 3 Hours (Theory)

Semester End Examination Marks: 100 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
10073			
CO1	2.55	2.77	2.57
CO2	3	2.69	2.97
CO3	2.55	2.54	2.55
Average CO Attainment			2.7

Coures Code	Program Outcomes											
10073	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	3	3	3	3	3	3	3	3	3	3	3
PO Attainment	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7

Course Code: 10074

Course Title: Work with Groups

Course Credits: L:T:P::2:1:0

Hours of Teaching/Week: 04 (Theory) + 02 (Practical)

Total Contact Hours: 64 Hours

Formative Assessment Marks: 70+30

Exam Duration: 3 Hours (Theory)

Semester End Examination Marks: 100 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
10074			
CO1	3	2.69	2.97
CO2	3	2.77	2.98
CO3	2.55	2.92	2.59
Average CO Attainment			2.85

[illegible]

Course Code: 10075

Course Title: Work with communities

Course Credits: L:T:P::2:1:0

Hours of Teaching/Week: 04 (Theory) + 02 (Practical)

Total Contact Hours: 64 Hours

Formative Assessment Marks: 70+30

Exam Duration: 3 Hours (Theory)

Semester End Examination Marks: 100 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
10075			
CO1	3	2.38	2.94
CO2	3	2.31	2.93
CO3	3	2.31	2.93
Average CO Attainment			2.93

[illegible]

Course Code: 10076

Course Title: Social Work Practicum-I

Course Credits: 3(0-0-3)

Hours of Teaching/Week: 12 hours of field work

Total Contact Hours: 32

Formative Assessment Marks: 100 (Practical)

Exam Duration: Viva voce

Semester End Examination Marks: 100 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
10076			
CO1	3	2.85	2.99
CO2	3	2.92	2.99
CO3	3	2.92	2.99
Average CO Attainment			2.99

[illegible]

II SEMESTER

Course Code: 20071

Course Title: Management of developmental and welfare services

Course Credits: 3(2-1-0)

Hours of Teaching/Week: 4

Total Contact Hours: 64

Formative Assessment Marks: 70 +30 (theory)

Exam Duration: 3 hrs

Semester End Examination Marks: 100

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
20071			
CO1	2.55	2.63	2.56
CO2	3	2.5	2.95
CO3	2.55	2.44	2.54
Average CO Attainment			2.68

Coures Code	Program Outcomes											
20071	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	3	3	3	3	3	2.7	3	3	3	3	2.7
PO Attainment	2.68	2.68	2.68	2.68	2.68	2.68	2.41	2.68	2.68	2.68	2.68	2.41

Course Title: Social Work Research and statistics

Hours of Teaching/Week: 4

Formative Assessment Marks:	70	+30
(theory)		

Semester End Examination Marks: 100

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
20072			
CO1	2.55	2.77	2.57
CO2	2.55	2.77	2.57
CO3	3	2.92	2.99
Average CO Attainment			2.71

[illegible]

Course Code: 20073

Course Title: Social Work practicum 2

Course Credits: 3(0-0-3)

Hours of Teaching/Week: 8

Total Contact Hours:

Formative Assessment Marks:

Exam Duration:

Semester End Examination Marks: 100

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
20073			
CO1	3	2.92	2.99
CO2	3	2.85	2.99
CO3	3	3	3
Average CO Attainment			2.99

Coures Code	Program Outcomes											
20073	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	2	2.7	3	2.7	2.7	3	2.7	2.3	2.7	2.7	2.7	2.7
PO Attainment	1.99	2.69	2.99	2.69	2.69	2.99	2.69	2.29	2.69	2.69	2.69	2.69

Course Code: 20074

Course Title: –Social Work practicum III

Course Credits:3 (0-0-3)

Hours of Teaching/Week: 12 hours of field work

Total Contact Hours: 32

Formative Assessment Marks:

100

Exam Duration: Viva Voce

Semester End Examination Marks:

100 (Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
20074			
CO1	3	3	3
CO2	3	3	3
CO3	3	3	3
Average CO Attainment			3

Coures Code	Program Outcomes											
20074	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	3	3	3	3	2.7	3	3	3	2.3	3	3
PO Attainment	3	3	3	3	3	2.7	3	3	3	2.3	3	3

Course Title: Communication and counseling

Hours of Teaching/Week:

04 (Theory)

Formative Assessment Marks:

 $70 + 30$

Semester End Examination Marks: 100

[illegible]

Course Code: 20076

Course Title: Personal and professional growth

Course Credits:03 (2-1-0)

Hours of Teaching/Week:

04 (Theory)

Total Contact Hours: 64

Formative Assessment Marks:

70 + 30

Exam Duration: 3 hours

Semester End Examination Marks: 100

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
20076			
CO1	3	2.69	2.97
CO2	3	2.69	2.97
CO3	3	2.77	2.98
Average CO Attainment			2.97

Coures Code	Program Outcomes											
20076	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	2.3	3	3	2.7	2.7	2.7	2.3	3	2.7	2.7	2.7
PO Attainment	2.97	2.28	2.97	2.97	2.67	2.67	2.67	2.28	2.97	2.67	2.67	2.67

SEMESTER III

Course Code: 30071	Course Title: Human resource management
Course Credits: 03 (2-1-0)	Hours of Teaching/Week: 4+2
Total Contact Hours: 64	Formative Assessment Marks 70+30
Exam Duration: 3 hours	Semester End Examination Marks: 100

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
30071			
CO1	2.14	3	2.23
CO2	3	3	3
CO3	2.14	2.92	2.22
Average CO Attainment			2.48

[illegible]

Course Code: 30072	Course Title: Social work practicum 4
Course Credits: 03 0-0-3	Hours of Teaching/Week: 12 hours of field work
Total Contact Hours: 32	Formative Assessment Marks 100
Exam Duration: Viva voce	Semester End Examination Marks: 100

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
30072			
CO1	3	3	3
CO2	3	3	3
CO3	3	3	3
Average CO Attainment			3

Coures Code	Program Outcomes											
30072	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	2	3	3	2	3	2.7	2.7	3	2.7	2.7	3	2.7
PO Attainment	2	3	3	2	3	2.7	2.7	3	2.7	2.7	3	2.7

Course Code: 30077	Course Title: Organizational behaviour and organizational development
Course Credits: 03 2-1-0	Hours of Teaching/Week: 4
Total Contact Hours: 64	Formative Assessment Marks 70+30
Exam Duration: 3 hrs	Semester End Examination Marks: 100

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
30077			
CO1	3	3	3
CO2	3	3	3
CO3	2.55	3	2.6
Average CO Attainment			2.87

Coures Code	Program Outcomes											
30077	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	2.7	3	2.3	3	3	3	2.7	3	2.7	3	3	3
PO Attainment	2.58	2.87	2.2	2.87	2.87	2.87	2.58	2.87	2.58	2.87	2.87	2.87

Course Code: 30075	Course Title: Legal system in India
Course Credits: 02 2-0-0	Hours of Teaching/Week: 4
Total Contact Hours: 64	Formative Assessment Marks 70+30
Exam Duration: 3 hrs	Semester End Examination Marks: 100

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
30075			
CO1	2.55	2.64	2.56
CO2	3	2.43	2.94
CO3	2.55	2.43	2.54
Average CO Attainment			2.68

Coures Code	Program Outcomes											
30075	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	2.3	2	2	2.3	2	2	2	2.3	2	2.3	2.3
PO Attainment	2.68	2.05	1.79	1.79	2.05	1.79	1.79	1.79	2.05	1.79	2.05	2.05

SEMESTER IV

Course Code: 40071	Course Title: Employee relations and legislation
Course Credits: 06 (4:0:2)	Hours of Teaching/Week: 04
Total Contact Hours: 64	Formative Assessment Marks: 70+30
Exam Duration: 3 hrs	Semester End Examination Marks: 100

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
40071			
CO1	2.55	2.64	2.56
CO2	3	2.43	2.94
CO3	2.55	2.43	2.54
Average CO Attainment			2.68

Coures Code	Program Outcomes											
40071	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	2.3	2	2	2.3	2	2	2	2.3	2	2.3	2.3
PO Attainment	2.68	2.05	1.79	1.79	2.05	1.79	1.79	1.79	2.05	1.79	2.05	2.05

Course Code: 40073	Course Title: Major project
Course Credits: 4 0-0-4	Hours of Teaching/Week: 04
Total Contact Hours: 64	Formative Assessment Marks: 100
Exam Duration: Viva Voce and presentation	Semester End Examination Marks: 100

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
40073			
CO1	3	3	3
CO2	3	3	3
CO3	3	3	3
Average CO Attainment			3

Coures Code	Program Outcomes											
40073	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course 2 Articulation Matrix	3	3	2	3	2.7	2.7	3	2.7	2.7	3	2.7	
PO Attainment 2	3	3	2	3	2.7	2.7	3	2.7	2.7	3	2.7	

Course Code: 40074	Course Title: Social work practicum 5
Course Credits: 3 (0-0-3)	Hours of Teaching/Week: 12 hours of field work
Total Contact Hours: 32	Formative Assessment Marks: 100
Exam Duration: Viva Voce and presentation	Semester End Examination Marks: 100

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
40074			
CO1	3	2.92	2.99
CO2	3	2.85	2.99
CO3	3	3	3
Average CO Attainment			2.99

Coures Code	Program Outcomes											
40074	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	2	2.7	3	2.7	2.7	3	2.7	2.3	2.7	2.7	2.7	2.7
PO Attainment	1.99	2.69	2.99	2.69	2.69	2.99	2.69	2.29	2.69	2.69	2.69	2.69

Course Code: 40075	Course Title: Social work practicum 6
Course Credits: 3 (0-0-3)	Hours of Teaching/Week: 45 days of internship
Total Contact Hours:	Formative Assessment Marks: 100
Exam Duration: Viva Voce and presentation	Semester End Examination Marks: 100

Course Code	Direct Attainment	Indirect Attainment	CO Attainment
40075			
CO1	3	3	3
CO2	3	3	3
CO3	3	3	3
Average CO Attainment			3

Coures Code	Program Outcomes											
40075	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	3	3	3	3	2.7	3	3	3	2.3	3	3
PO Attainment	3	3	3	3	3	2.7	3	3	3	2.3	3	3

Department of Studies
In
Chemistry

Outcome - Based Education

FIRST SEMESTER

Course Code: 19H101	Course Title: Concepts and Models of Inorganic Chemistry + Inorganic Chemistry Practicals-I
Course Credits: 04 (2:0:2)	Hours of Teaching/Week: 02 (Theory) + 04 Hours (Practicals)
Total Contact Hours: 32 Hours (Theory) + 64 Hours (Practicals)	Formative Assessment Marks: 30 (Theory + Practical)
Exam Duration: 3 Hours (Theory) + 6 Hours (Practicals)	Semester End Examination Marks: 70 (Theory + Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment									
19H101												
CO1	3	2.78	2.98									
CO2	3	2.76	2.98									
CO3	3	2.67	2.97									
CO4	3	2.91	2.99									
Average CO Attainment			2.98									
Course Code	Program Outcomes											
19H101	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	2	2	2	1.75	1.5	1.75	1.5	0.75	2	1.25	1.5	1.75
PO Attainment	1.99	1.99	1.99	1.74	1.49	1.74	1.49	0.75	1.99	1.24	1.49	1.74

FIRST SEMESTER

Course Code: 19H102	Course Title: Reaction Mechanism + Organic Chemistry Practicals-I
Course Credits: 04 (2:0:2)	Hours of Teaching/Week: 02 (Theory) + 04 Hours (Practicals)
Total Contact Hours: 32 Hours (Theory) + 64 Hours (Practicals)	Formative Assessment Marks: 30 (Theory + Practical)
Exam Duration: 3 Hours (Theory) + 6 Hours (Practicals)	Semester End Examination Marks: 70 (Theory + Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment										
19H102													
CO1	3	2.74	2.97										
CO2	3	2.8	2.98										
CO3	3	2.63	2.96										
CO4	3	2.83	2.98										
Average CO Attainment			2.97										
Course Code	Program Outcomes												
19H102	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Weighted Average from Course Articulation Matrix	1.75	2	2	1.5	1.75	1.75	1.5	0.5	2	1.25	1.25	1.75	
PO Attainment	1.73	1.98	1.98	1.49	1.73	1.73	1.49	0.5	1.98	1.24	1.24	1.73	

FIRST SEMESTER

Course Code: 19H103	Course Title: Physical Chemistry-I + Physical Chemistry Practicals-I
Course Credits: 04 (2:0:2)	Hours of Teaching/Week: 02 (Theory) + 04 Hours (Practicals)
Total Contact Hours: 32 Hours (Theory) + 64 Hours (Practicals)	Formative Assessment Marks: 30 (Theory + Practicals)
Exam Duration: 3 Hours (Theory) + 6 Hours (Practicals)	Semester End Examination Marks: 70 (Theory + Practicals)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment									
19H103												
CO1	3	2.63	2.97									
CO2	3	2.46	2.95									
CO3	3	2.89	2.99									
CO4	3	2.89	2.99									
Average CO Attainment			2.98									
Courses Code	Program Outcomes											
19H103	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	2	1.75	1.5	1.5	2	1.75	1.5	1	2	1	1.25	1.5
PO Attainment	1.99	1.74	1.49	1.49	1.99	1.74	1.49	0.99	1.99	0.99	1.24	1.49

FIRST SEMESTER

Course Code: 19H104	Course Title: Symmetry, Group Theory and Chemical Spectroscopy
Course Credits: 04 (3:0:0)	Hours of Teaching/Week: 03 (Theory)
Total Contact Hours: 48 Hours (Theory)	Formative Assessment Marks: 30 (Theory)
Exam Duration: 3 Hours (Theory)	Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment									
19H104												
CO1	3	2.91	2.99									
CO2	3	2.85	2.99									
CO3	3	2.89	2.99									
Average CO Attainment			2.99									
Coures Code	Program Outcomes											
19H104	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	2	2	1.66	1	2	2	1.66	1	2	1.33	1.33	1.66
PO Attainment	1.99	1.99	1.65	1	1.99	1.99	1.65	1	1.99	1.33	1.33	1.65

FIRST SEMESTER

Course Code: 19H105	Course Title: Fundamentals of Chemical Analysis + Analytical Chemistry Practicals-I
Course Credits: 04 (2:0:2)	Hours of Teaching/Week: 02 (Theory) + 04 Hours (Practicals)
Total Contact Hours: 32 Hours (Theory) + 64 Hours (Practicals)	Formative Assessment Marks: 30 (Theory + Practicals)
Exam Duration: 3 Hours (Theory) + 6 Hours (Practicals)	Semester End Examination Marks: 70 (Theory + Practicals)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment										
19H105													
CO1	3	2.87	2.99										
CO2	3	2.96	3										
CO3	3	2.98	3										
CO4	3	2.87	2.99										
Average CO Attainment			3										
Coures Code	Program Outcomes												
19H105	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Weighted Average from Course Articulation Matrix	2	1.75	1.5	1.25	1.75	1.75	1.25	0.75	2	1.5	1.25	1.25	
PO Attainment	2	1.75	1.5	1.25	1.75	1.75	1.25	0.75	2	1.5	1.25	1.25	

SECOND SEMESTER

Course Code: 19H201	Course Title: Coordination Chemistry + Inorganic Chemistry Practicals-II
Course Credits: 04 (2:0:2)	Hours of Teaching/Week: 02 (Theory) + 04 Hours (Practicals)
Total Contact Hours: 32 Hours (Theory) + 64 Hours (Practicals)	Formative Assessment Marks: 30 (Theory + Practical)
Exam Duration: 3 Hours (Theory) + 6 Hours (Practicals)	Semester End Examination Marks: 70 (Theory + Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment										
19H201													
CO1	3	2.83	2.98										
CO2	3	2.76	2.98										
CO3	3	2.61	2.96										
CO4	3	2.91	2.99										
Average CO Attainment			2.98										
Courses Code	Program Outcomes												
19H201	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Weighted Average from Course Articulation Matrix	1.75	1.75	1.25	1.5	2	1.25	1.25	1	2	1	1.25	1.5	
PO Attainment	1.74	1.74	1.24	1.49	1.99	1.24	1.24	0.99	1.99	0.99	1.24	1.49	

SECOND SEMESTER

Course Code: 19H202	Course Title: Stereochemistry and Heterocyclic Chemistry + Organic Chemistry Practicals-II
Course Credits: 04 (2:0:2)	Hours of Teaching/Week: 02 (Theory) + 04 Hours (Practicals)
Total Contact Hours: 32 Hours (Theory) + 64 Hours (Practicals)	Formative Assessment Marks: 30 (Theory + Practical)
Exam Duration: 3 Hours (Theory) + 6 Hours (Practicals)	Semester End Examination Marks: 70 (Theory + Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment									
19H202												
CO1	3	2.78	2.98									
CO2	3	2.85	2.99									
CO3	3	2.83	2.98									
CO4	3	2.85	2.99									
Average CO Attainment			2.99									
Coures Code	Program Outcomes											
19H202	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	1.75	2	1.75	1.5	1.5	2	1.75	0.75	2	1.25	1.25	1.75
PO Attainment	1.74	1.99	1.74	1.5	1.5	1.99	1.74	0.75	1.99	1.25	1.25	1.74

SECOND SEMESTER

Course Code: 19H203	Course Title: Physical Chemistry-II + Physical Chemistry Practicals-II
Course Credits: 04 (2:0:2)	Hours of Teaching/Week: 02 (Theory) + 04 Hours (Practicals)
Total Contact Hours: 32 Hours (Theory) + 64 Hours (Practicals)	Formative Assessment Marks: 30 (Theory + Practical)
Exam Duration: 3 Hours (Theory) + 6 Hours (Practicals)	Semester End Examination Marks: 70 (Theory + Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment									
19H203												
CO1	3	2.83	2.98									
CO2	3	2.78	2.98									
CO3	3	2.96	3									
CO4	3	2.89	2.99									
Average CO Attainment			2.99									
Course Code	Program Outcomes											
19H203	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	1.75	2	1.75	1.5	1.5	1.5	1.5	0.75	2	1	1.5	1.75
PO Attainment	1.74	1.99	1.74	1.5	1.5	1.5	1.5	0.75	1.99	1	1.5	1.74

SECOND SEMESTER

Course Code: 19H204	Course Title: Molecular Spectroscopy-II
Course Credits: 04 (3:0:0)	Hours of Teaching/Week: 03 (Theory)
Total Contact Hours: 48 Hours (Theory)	Formative Assessment Marks: 30 (Theory)
Exam Duration: 3 Hours (Theory)	Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment										
19H204													
CO1	3	2.74	2.97										
CO2	3	2.85	2.99										
CO3	3	2.83	2.98										
Average CO Attainment			2.98										
Courses Code	Program Outcomes												
19H204	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Weighted Average from Course Articulation Matrix	2	1.66	1.66	1	1.66	2	1	0.66	2	1.33	1.33	1.33	
PO Attainment	1.99	1.65	1.65	0.99	1.65	1.99	0.99	0.66	1.99	1.32	1.32	1.32	

SECOND SEMESTER

Course Code: 19H205	Course Title: Separation Techniques + Analytical Chemistry Practicals-II
Course Credits: 04 (2:0:2)	Hours of Teaching/Week: 02 (Theory) + 04 Hours (Practicals)
Total Contact Hours: 32 Hours (Theory) + 64 Hours (Practicals)	Formative Assessment Marks: 30 (Theory + Practical)
Exam Duration: 3 Hours (Theory) + 6 Hours (Practicals)	Semester End Examination Marks: 70 (Theory + Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment										
19H205													
CO1	3	2.96	3										
CO2	3	2.96	3										
CO3	3	2.98	3										
CO4	3	2.93	2.99										
Average CO Attainment			3										
Course Code	Program Outcomes												
19H205	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Weighted Average from Course Articulation Matrix	1.75	1.5	1.25	1.5	1.75	1.25	1.25	1	2	1	1	1.5	
PO Attainment	1.75	1.5	1.25	1.5	1.75	1.25	1.25	1	2	1	1	1.5	

THIRD SEMESTER

Course Code: 19H301	Course Title: Advanced Inorganic Chemistry
Course Credits: 04 (3:0:0)	Hours of Teaching/Week: 03 (Theory)
Total Contact Hours: 48 Hours (Theory)	Formative Assessment Marks: 30 (Theory)
Exam Duration: 3 Hours (Theory)	Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment										
19H301													
CO1	3	2.58	2.96										
CO2	3	2.548	2.95										
CO3	3	2.516	2.95										
Average CO Attainment			2.95										
Cours Code	Program Outcomes												
19H301	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Weighted Average from Course Articulation Matrix	3	3	2	3	3	3	3	2	3	2	2	2	
PO Attainment	2.95	2.95	1.97	2.95	2.95	2.95	2.95	1.97	2.95	1.97	1.97	1.97	

THIRD SEMESTER

Course Code: 19H303	Course Title: Physical Chemistry-III
Course Credits: 04 (3:0:0)	Hours of Teaching/Week: 03 (Theory)
Total Contact Hours: 48 Hours (Theory)	Formative Assessment Marks: 30 (Theory)
Exam Duration: 3 Hours (Theory)	Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment										
19H303													
CO1	3	2.49	2.96										
CO2	3	2.62	2.96										
CO3	3	2.57	2.96										
Average CO Attainment			2.96										
Courses Code	Program Outcomes												
19H303	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Weighted Average from Course Articulation Matrix	3	3	2	3	2.33	2	3	3	3	2.33	2.33	2.66	
PO Attainment	2.96	2.96	1.97	2.96	2.3	1.97	2.96	2.96	2.96	2.3	2.3	2.62	

THIRD SEMESTER

Course Code: 19H305	Course Title: Frontiers in Inorganic Chemistry + Inorganic Chemistry Practicals- II
Course Credits: 04 (2:0:2)	Hours of Teaching/Week: 02 (Theory) + 04 Hours (Practicals)
Total Contact Hours: 32 Hours (Theory) + 64 Hours (Practicals)	Formative Assessment Marks: 30 (Theory + Practical)
Exam Duration: 3 Hours (Theory) + 6 Hours (Practicals)	Semester End Examination Marks: 70 (Theory + Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment									
19H305												
CO1	3	2.63	2.96									
CO2	3	2.57	2.96									
CO3	3	2.66	2.97									
CO4	3	2.63	2.96									
Average CO Attainment			2.96									
Coures Code	Program Outcomes											
19H305	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	3	3	2.75	2	2.25	2.25	3	3	2.25	3	3
PO Attainment	2.96	2.96	2.96	2.71	1.97	2.22	2.22	2.96	2.96	2.22	2.96	2.96

THIRD SEMESTER

Course Code: 19H306	Course Title: Carbohydrates, Proteins and Nucleic Acids + Organic Chemistry Practicals-III
Course Credits: 04 (2:0:2)	Hours of Teaching/Week: 02 (Theory) + 04 Hours (Practicals)
Total Contact Hours: 32 Hours (Theory) + 64 Hours (Practicals)	Formative Assessment Marks: 30 (Theory + Practical)
Exam Duration: 3 Hours (Theory) + 6 Hours (Practicals)	Semester End Examination Marks: 70 (Theory + Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment									
19H306												
CO1	3	2.66	2.97									
CO2	3	2.72	2.97									
CO3	3	2.75	2.98									
CO4	3	2.63	2.97									
Average CO Attainment			2.97									
Courses Code	Program Outcomes											
19H306	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	3	3	3	2.75	3	3	2	2	3	2	2.5	3
PO Attainment	2.97	2.97	2.97	2.72	2.97	2.97	1.98	1.98	2.97	1.98	2.48	2.97

FOURTH SEMESTER

Course Code: 19H401	Course Title: Bioinorganic Chemistry
Course Credits: 04 (3:0:0)	Hours of Teaching/Week: 03 (Theory)
Total Contact Hours: 48 Hours (Theory)	Formative Assessment Marks: 30 (Theory)
Exam Duration: 3 Hours (Theory)	Semester End Examination Marks: 70 (Theory)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment										
19H401													
CO1	3	2.68	2.97										
CO2	3	2.62	2.96										
CO3	3	2.65	2.97										
Average CO Attainment			2.97										
Course Code	Program Outcomes												
19H401	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Weighted Average from Course Articulation Matrix	3	3	2	3	2	3	3	3	3	2	2.33	3	
PO Attainment	2.97	2.97	1.98	2.97	1.98	2.97	2.97	2.97	2.97	1.98	2.31	2.97	

FOURTH SEMESTER

Course Code: 19H402	Course Title: Photochemistry, Pericyclic Reactions and Organometallic Chemistry
Course Credits: 04 (3:0:0)	Hours of Teaching/Week: 03 (Theory)
Total Contact Hours: 48 Hours (Theory)	Formative Assessment Marks: 30 (Theory)
Exam Duration: 3 Hours (Theory)	Semester End Examination Marks: 70 (Theory)

[illegible]

FOURTH SEMESTER

Course Code: 19H307	Course Title: Applications of Electrochemistry and Corrosion + Physical Chemistry Practical –III
Course Credits: 04 (2:0:2)	Hours of Teaching/Week: 02 (Theory) + 04 Hours (Practicals)
Total Contact Hours: 32 Hours (Theory) + 64 Hours (Practicals)	Formative Assessment Marks: 30 (Theory + Practical)
Exam Duration: 3 Hours (Theory) + 6 Hours (Practicals)	Semester End Examination Marks: 70 (Theory + Practical)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment										
19H307													
CO1	3	2.69	2.97										
CO2	3	2.63	2.96										
CO3	3	2.63	2.96										
CO4	3	2.63	2.96										
Average CO Attainment			2.96										
Courses Code	Program Outcomes												
19H307	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Weighted Average from Course Articulation Matrix	3	3	3	3	2.25	2.25	2.25	3	3	2	2	3	
PO Attainment	2.96	2.96	2.96	2.96	2.22	2.22	2.22	2.96	2.96	1.97	1.97	2.96	

FOURTH SEMESTER

Course Code: --	Course Title: DISSERTATION/PROJECT WORK
Course Credits: 04 (0:0:4)	Hours of Teaching/Week: 8 Hours (Dissertation)
Total Contact Hours: 128 Hours (Dissertation)	Formative Assessment Marks: 30 marks (Dissertation)
Exam Duration: 3 Hours (Dissertation)	Semester End Examination Marks: 70 (Viva – voce)

Course Code	Direct Attainment	Indirect Attainment	CO Attainment									
0												
CO1	3	2.91	2.99									
CO2	3	2.85	2.99									
CO3	3	2.89	2.99									
Average CO Attainment			2.99									
Cours Code	Program Outcomes											
0	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Weighted Average from Course Articulation Matrix	2	2	1.66	1	2	2	1.66	1	2	1.33	1.33	1.66
PO Attainment	1.99	1.99	1.65	1	1.99	1.99	1.65	1	1.99	1.33	1.33	1.65