

The following shall be the courses of the studies under CBCS pattern

B. A. – I C B C S PATTERN (2018-19)

S E M E S T E R – I (Duration – 6 Months)																		
Sr. No	Course Title	Teaching Scheme						Examination scheme										
								Theory									Practical	
		Theory			Practical			Theory			Internal			Total		Total		
		No.of lectures	Hours	Credits	No. of Lectures	Hours	Credits	Max.	Min.	Hours	Max.	Min.	Hours	Max.	Min.	Max.	Min.	Hours
1	DSC-A	4	3.2	4	No Practical Except Home Science			40	14	2	10	4	0.5	50	18	Practical examination is conducted Semester wise		
2	DSC-A	4	3.2	4				40	14	2	10	4	0.5	50	18			
3	DSC-A	4	3.2	4				40	14	2	10	4	0.5	50	18			
4	DSC-A	4	3.2	4				40	14	2	10	4	0.5	50	18			
5	GEC-A	4	3.2	4				40	14	2	10	4	0.5	50	18			
6	AECC-A	4	3.2	4				40	14	2	10	4	0.5	50	18			
	Total	24	19.2	24				240			60	-		300	-			
	Semester-II(duration 6 months)																	
7	DSC-B	4	3.2	4	No Practical Except Home Science			40	14	2	10	4	0.5	50	18	Practical examination is conducted Semester wise		
8	DSC-B	4	3.2	4				40	14	2	10	4	0.5	50	18			
9	DSC-B	4	3.2	4				40	14	2	10	4	0.5	50	18			
10	DSC-B	4	3.2	4				40	14	2	10	4	0.5	50	18			
11	GEC-B	4	3.2	4				40	14	2	10	4	0.5	50	18			
12	AECC-B	4	3.2	4				40	14	2	10	4	0.5	50	18			
		24	19.2	24				240			60	-		300	-			
	Total	48	38.4	48				480			120			600				

• Student contact hours per week : **19.2Hours (Min.)**

• Total Marks for B.A.-I : **600**

• Theory and Practical Lectures : 48 Minutes Each

• Total Credits for B.A.-I (Semester I & II) : **48**

• **AECC**- Ability Enhancement Compulsory Course (1A & 1B)- English, **GEC**-Generic Elective Course

• **DSC**-Discipline Specific Core Course. (for Semester I-A and for semester II-B),

• Course list as per enclosed Annexure. ***Separate passing is mandatory for Theory, Internal and Practical.***

• **Practical Examination will be conducted annually.**

Subject Codes for ARTS

.No.	Name of the Subject	Subject code	Sem-I DSC-A	Sem-II DSC-B	Sem-III DSC-C	Sem-IV DSC-D	Sem-V DSE-E	Sem-VI DSE-F
1	English	1011	AECC-1011A	AECC-1011B	AECC-1011C	AECC-1011D	AECC-1011E	AECC-1011F
2	Hindi	1012	GEC-1012A	GEC-1012B	GEC- Generic Elective Course (Any one from three for first and second semester only)			
3	Marathi	1013	GEC-1013A	GEC-1013B				
4	STD	1014	GEC-1014A	GEC-1014B				
5	Marathi	1015	DSC-1015A	DSC-1015B	DSC-1015C	DSC-1015D	DSE -1015E	DSE -1015F
6	Hindi	1016	DSC-1016A	DSC-1016B	DSC-1016C	DSC-1016D	DSE -1016E	DSE -1016F
7	English	1017	DSC-1017A	DSC-1017B	DSC-1017C	DSC-1017D	DSE -1017E	DSE -1017F
8	Economics	1018	DSC-1018A	DSC-1018B	DSC-1018C	DSC-1018D	DSE -1018E	DSE -1018F
9	Political Science	1019	DSC-1019A	DSC-1019B	DSC-1019C	DSC-1019D	DSE -1019E	DSE-1019F
10	History	1020	DSC-1020A	DSC-1020B	DSC-1020C	DSC-1020D	DSE -1020E	DSE -1020F
11	Sociology	1021	DSC-1021A	DSC-1021B	DSC-1021C	DSC-1021D	DSE -1021E	DSE -1021F
12	Geography	1022	DSC-1022A	DSC-1022B	DSC-1022C	DSC-1022D	DSE -1022E	DSE -1022F
13	Home Sceince	1023	DSC-1023A	DSC-1023B	DSC-1023C	DSC-1023D	DSE -1023E	DSE-1023F
14	Logic	1024	IDS-Inter Disciplinary Subject (Any one from three for third and fourth semester Only)	IDS-1024C	IDS-1024D			
15	HSRM	1025		IDS-1025C	IDS 1025D			
16	Geography of Tourism	1026		IDS-1026C	IDS 1026D			

The following shall be the courses of the studies under CBCS pattern

B. Com. – I C B C S PATTERN (2018-19)

S E M E S T E R – I (Duration – 6 Months)																		
Sr. No	Course Title	Teaching Scheme						Examination scheme										
								Theory								Practical		
		Theory			Practical			Theory			Internal			Total		Total		
		No.of lectures	Hours	Credits	No. of Lectures	Hours	Credits	Max.	Min.	Hours	Max.	Min.	Hours	Max.	Min.	Max.	Min.	Hours
1	DSC-A	4	3.2	4	No Practical			40	14	2	10	4	0.5	50	18			
2	DSC-A	4	3.2	4				40	14	2	10	4	0.5	50	18			
3	DSC-A	4	3.2	4				40	14	2	10	4	0.5	50	18			
4	GEC-A	4	3.2	4				40	14	2	10	4	0.5	50	18			
5	GEC-A	4	3.2	4				40	14	2	10	4	0.5	50	18			
6	AECC-1A	4	3.2	4				40	14	2	10	4	0.5	50	18			
	Total	24	19.2	24				240			60	-		300	-			
	Semester-II(duration 6 months)																	
7	DSC-B	4	3.2	4	No Practical			40	14	2	10	4	0.5	50	18			
8	DSC-B	4	3.2	4				40	14	2	10	4	0.5	50	18			
9	DSC-B	4	3.2	4				40	14	2	10	4	0.5	50	18			
10	GEC-B	4	3.2	4				40	14	2	10	4	0.5	50	18			
11	GEC-B	4	3.2	4				40	14	2	10	4	0.5	50	18			
12	AECC-1B	4	3.2	4				40	14	2	10	4	0.5	50	18			
		24	19.2	24				240			60	-		300	-			
	Total	48	38.4	48				480			120			600				

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| • Student contact hours per week : 19.2 Hours (Min.) | • Total Marks for B.Com.-I : 600 |
| • Theory and Practical Lectures : 48 Minutes Each | • Total Credits for B.Com.-I (Semester I & II) : 48 |
| • AECC - Ability Enhancement Compulsory Course (1A & 1B)- English, GEC -Generic Elective Course
• CC - Core Course. (for Semester I--A and for semester II--B),
• Course list as per enclosed Annexure. <i>Separate passing is mandatory for Theory, Internal and Practical.</i>
• Course list as per enclosed Annexure. <i>Separate passing is mandatory for Theory, and Internal</i> | |

For Commerce

CC-Core course DSE-Discipline Specific Elective Course (Any one of two)

GEC-Generic Elective Course (Any one of two)

AECC – Ability Enhancement Compulsory Course

Sr. No.	Name of the Subject	Sub. code	Sem-I CC-A	Sem-II CC-B	Sem-III CC-C	Sem-IV CC-D	Sem-V CC-E	Sem-VI CC-E
1	English for business Communication	1040	AECC-1040A	AECC-1040B	AECC-1040C	AECC-1040D	-	-
2	Principles of Business Management	1041	DSC-1041A	DSC-1041B	-	-	-	-
3	Principles of Marketing	1042	GEC-1042A	GEC-1042B	-	-	-	-
4	Financial Accounting	1043	DSC-1043A	DSC-1043B	-	-	-	-
5	Business Economics	1044	DSC-1044A	DSC-1044B	-	-	-	-
6	Business Mathematics	1045	GEC-1045A	GEC-1045B	GEC-Generic Elective Course (Any one of two)			
7	Insurance	1046	GEC-1046A	GEC-1046B				
8	Fundamentals of Entrepreneurship	1047	-	-	CC-1047C	CC-1047D	-	-
9	Corporate accounting	1048	-	-	CC-1048C	CC-1048D	-	-
10	Business Economics	1049	-	-	CC-1049C	CC-1049D	-	-
11	Money and financial System	1050	-	-	CC-1050C	CC-1050D	-	

12	Business statistics	1051	-	-	CC-1051C	CC-1051D	-	-
13	Modern management Practices	1052	-	-	-	-	CC-1052E	CC-1052F
14	Business Regularity Frame work	1053	-	-	-	-	CC-1053E	CC-1053F
15	Business Environment	1054	-	-	-	-	CC-1054E	CC-1054F
16	Cooperative Development	1055	-	-	-	-	CC-55E	CC-55F
17	Advanced Accounting	1056	DSE-Discipline Specific Elective Course (Any one of two)				DSE-1056E	DSE-1056F
18	Industrial Management	1057					DSE-1057E	DSE-1057F

The following shall be the courses of the studies under CBCS pattern

B. Sc. – I C B C S PATTERN (2018-19)

S E M E S T E R – I (Duration – 6 Months)																		
Sr. No	Course Title	Teaching Scheme						Examination scheme										
								Theory								Practical		
		Theory			Practical			Theory			Internal			Total		Total		
		No.of lecture s	Hours	Credits	No. of Lectures	Hours	Credits	Max.	Min.	Hours	Max.	Min.	Hours	Max.	Min.	Max.	Min.	Hours
1	DSC-A	5	4	4	4	3.2	2	80	28	3	20	7	1	100	35	Practical examination is annual		
2	DSC-A	5	4	4	4	3.2	2	80	28	3	20	7	1	100	35			
3	DSC-A	5	4	4	4	3.2	2	80	28	3	20	7	1	100	35			
4	DSC-A	5	4	4	4	3.2	2	80	28	3	20	7	1	100	35			
5	AECC-1A	4	3.2	4	-	-	-	40	14	2	10	4	0.5	50	18	-	-	-
	Total	24	19.2	20	16	12.8	8	360			90	-		450	-			
	Semester-II(duration 6 months)																	
6	DSC-B	5	4	4	4	3.2	2	80	28	3	20	7	1	100	35	50	18	3.2
7	DSC-B	5	4	4	4	3.2	2	80	28	3	20	7	1	100	35	50	18	3.2
8	DSC-B	5	4	4	4	3.2	2	80	28	3	20	7	1	100	35	50	18	3.2
9	DSC-B	5	4	4	4	3.2	2	80	28	3	20	7	1	100	35	50	18	3.2
10	AECC-1B	4	3.2	2	-	-	-	40	14	2	10	4	0.5	50	18	-	-	
		24	19.2	20	16	12.8	8	360	-	-	-	-	-	450		200	-	-
	Total	48	38.4	40	32	25.6	16							900				

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|---|---|
| • Student contact hours per week : 32 Hours (Min.) | • Total Marks for B.Sc.-I (Including English) : 1100 |
| • Theory and Practical Lectures : 48 Minutes Each | • Total Credits for B.Sc.-I (Semester I & II) : 56 |
| • AECC - Ability Enhancement Compulsory Course (1A & 1B)-English
• DSC -Discipline Specific Core Course. (for Semester I--A and for semester II--B)
• Course list as per enclosed Annexure. <i>Separate passing is mandatory for Theory, Internal and Practical.</i> | |
| • Practical Examination will be conducted annually for 50 Marks per DSC course (subject). | |

Subject code For B.Sc.I for Sem I—A and Sem II—B

Sr.No.	Name of the subject	Subject code	Sem-I DSC-A	Sem-II DSC-B
1	Physics	1001	DSC-1001A	DSC-1001B
2	Chemistry	1002	DSC-1002A	DSC-1002B
3	Mathematics	1003	DSC-1003A	DSC-1003B
4	Statistics	1004	DSC-1004A	DSC-1004B
5	Electronics	1005	DSC-1005A	DSC-1005B
6	Computer science	1006	DSC-1006A	DSC-1006B
7	Botany	1007	DSC-1007A	DSC-1007B
8	zoology	1008	DSC-1008A	DSC-1008B
9	Biotechnology(Opt.)	1009	DSC-1009A	DSC-1009B
10	Microbiology	1010	DSC-1010A	DSC-1010B
11	English	1501	AECC-1501A	AECC-1501B

Example: Botany Sem I..... DSC-7A and for Sem II..... DSC-7B

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Semester-II(duration 6 months)

		Theory			Practical			Theory			Internal			Total		Total		
S. No	Course Name	No.of lecture	Hours	Credits	No. of Lectures	Hours	Credits	Max.	Min.	Hours	Max.	Min.	Hours	Max.	Min.	Max.	Min.	Hours.
1	DSC-1331B	2.5	2	2	4***	3.2***	2***	40	14	2	10	04	0.5	50	18	Practical structure is separately enclosed.		
2	DSC-1332B	2.5	2	2				40	14	2	10	04	0.5	50	18			
3	DSC-1340B	2.5	2	2	*	*	*	40	14	2	10	04	0.5	50	18			
4	DSC-1345B	2.5	2	2	4**	3.2**	2**	40	14	2	10	04	0.5	50	18			
5	DSC-1335B	2.5	2	2				40	14	2	10	04	0.5	50	18			
6	DSC-1336A	2.5	2	2	-	-	-	40	14	2	10	04	0.5	50	18			
7	DSC-1337B	2.5	2	2	4#	3.2#	2#	40	14	2	10	04	0.5	50	18			
8	DSC-1338B	2.5	2	2				40	14	2	10	04	0.5	50	18			
9	AECC-1339B	4	3.2	4	-	-	-	40	14	2	10	4	0.5	50	18			
Total		24	19.2	20		12.8	8	360	-	-	-	-	-	450				
Grand Total		48	38.4	40		25.6	16							900				

Sr. No	Code	Course Name	Practical		
			Max.	Min.	Hours.
1	1341	Practical-I ---Techniques in Chemistry and Biochemistry	50	18	3.2
2	1342	Practical-II--- Laboratory Exercise in Microbiology and Instrumentation	50	18	3.2
3	1343	Practical-III --Laboratory Exercise in Plant Science and Animal Science	50	18	3.2
4	1344	Practical-IV --Methods in Mathematics ,Statistics and Computer Application in Biotechnology	50	18	3.2

*** Indicates the practical of Plant Science and Animal Science is combined - Total credit = 2**

**** Indicates the practical of Mathematics, Statistics and Computer Science is combined – Total credit = 2**

***** Indicates the practical of Chemistry, and Biochemistry is combined – Total credit = 2**

Indicates the practical of Microbiology and Instrumentation is combined – Total credit = 2

• Student contact hours per week : 32 Hours (Min.)	• Total Marks for B.Sc.-I (Including English) : 1100
• Theory and Practical Lectures : 48 Minutes Each	• Total Credits for B.Sc.-I (Semester I & II) : 56
• AECC- Ability Enhancement Compulsory Course (A & B) - English • DSC- Discipline Specific Core Course. (for Semester I--A and for semester II--B) • Course list as per enclosed Annexure. <i>Separate passing is mandatory for Theory, Internal and Practical.</i>	
• Practical Examination will be conducted annually for 50 Marks per DSC course (subject).	

Subject code For B.Sc.I (Biotech entire)for Sem I—A and Sem II—B

Sr. No.	Name of the subject	Subject code	Sem-I DSC-A	Sem-II DSC-B	Sem-III DSC-C	Sem-IV DSC-D	Sem-DSC-E	Sem-IDSC-F
1	Chemistry	1331	DSC-1331A	DSC-1331B				
2	BioChemistry	1332	DSC-1332A	DSC-1332B				
3	Plant Science	1333	DSC-1333A					
4	Mathematics	1334	DSC-1334A					
5	Computer science	1335	DSC-1335A	DSC-1335B				
6	Biotechnology & Instrumentation	1336	DSC-1336A					
7	Microbiology	1337	DSC-1337A	DSC-1337B				
8	Physics	1338	DSC-1338A	DSC-1338B				
9	AECC-English	1339	DSC-1339A	DSC-1339B				
10	Animal science	1340		DSC-1333B				
11	Statistics	1345		DSC-1334B				
12	Cell Biology			DSC-1336B				
12	Techniques in Chemistry and Biochemistry	1341	DSC-1341A	DSC-1341B				
12	Laboratory Exercise in Microbiology and Instrumentation	1342	DSC-1342A	DSC-342B				
13	Laboratory Exercise in Plant Science and Animal Science	1343	DSC-1343A	DSC-1343B				
14	Methods in Mathematics ,Statistics and Computer Application in Biotechnology	1344	DSC-1344A	DSC-1344B				

The following shall be the courses of the studies under CBCS pattern
B. Sc. (Computer Science Entire) – I C B C S PATTERN (2018-19)

S E M E S T E R – I (Duration – 6 Months)																		
Sr. No	Course Title	Teaching Scheme						Examination scheme										
								Theory								Practical		
		Theory			Practical			Theory			Internal			Total		Total		
		No.of lectures	Hours	Credits	No. of Lectures	Hours	Credits	Max.	Min.	Hours	Max.	Min.	Hours	Max.	Min.	Max.	Min.	Hours
1	GEC -1300 A	6	4.8	4	4	3.2	2	80	32	3	20	8	1	100	40	Practical examination is annual		
2	GEC -1301A	6	4.8	4	4	3.2	2	80	32	3	20	8	1	100	40			
3	GEC- 1302A	6	4.8	4	4	3.2	2	80	32	3	20	8	1	100	40			
4	CS-CC-1303A	6	4.8	4	4	3.2	2	80	32	3	20	8	1	100	40			
5	AECC-ENGA	4	3.2	4	-	-	-	40	16	2	10	4	0.5	50	20	-	-	-
	Total	28	22.4	20	16	12.8	8	360			90	-		450	-			
Semester-II(duration 6 months)																		
6	GECC-1300 B	6	4.8	4	4	3.2	2	80	32	3	20	8	1	100	40	100	40	3.2
7	GECC- 1301-B	6	4.8	4	4	3.2	2	80	32	3	20	8	1	100	40	100	40	3.2
8	GECC -1302-B	6	4.8	4	4	3.2	2	80	32	3	20	8	1	100	40	100	40	3.2
9	CS-CC-1303B	6	4.8	4	4	3.2	2	80	32	3	20	8	1	100	40	100	40	3.2
10	AECC-ENGB	4	3.2	2	-	-	-	40	16	2	10	4	0.5	50	20	-	-	
		28	22.4	20	16	12.8	8	360	-	-	90	-	-	450		400	-	-
	Total	56	44.8	40	32	25.6	16							900				

• Student contact hours per week : 35.2 Hours (Min.)	• Total Marks for B. Sc. (Computer Science Entire) – I (Including English) : 1300
• Theory and Practical Lectures : 48 Minutes Each	• Total Credits for B. Sc. (Computer Science Entire) Sem-I&II 56
• AECC- Ability Enhancement Compulsory Course –English, Practical Examination will be conducted annually for each GEC and CC . • CS-CC- Core Course (Computer Science) GEC- Generic Elective Compulsory Course. • Course list as per enclosed Annexure., <i>Separate passing is mandatory for Theory, Internal and Practical.</i>	

Subject code for BCS

Sr. No.	Name of the Subject	Subject code	Sem-IA	Sem-IIB	Sem-IIIC	Sem-IVD	Sem-VE	Sem-VIF
1	Mathematics	1300	GEC-1300A	GEC-1300A				
2	Electronics	1301	GEC-1301A	GEC-1301A				
3	Statistics	1302	GEC-1302A	GEC-1302A				
4	CC-CS	1303	GEC-1303A	GEC-1303A				
5	AECC-ENG	BCS-1	BCS-1A	BCS-1B				
6	Mathematics	1300			GEC-1300C	GEC-1300D		
8	Electronics	1301			GEC-1301C	GEC-1301D		
9	CC-CS	1304			CC-CS-1304C	CC-CS-1304D		
10	AECC-ENV	-			AECC-ENV	AECC-ENV		
11	AECC-ENG	BCS-2					BCS-2E	BCS-2F
12	CC-CS	1305					CC-CS-1305E	CC-CS-1304F
13	CC-CS	1306					CC-CS-1306E	CC-CS-1304F
14	CC-CS	1307					CC-CS-1307E	CC-CS-1304F

The following shall be the courses of the studies under CBCS pattern

BCA-I CBCS PATTERN (2018-19)

S E M E S T E R – I (Duration – 6 Months)

S E M E S T E R – I (Duration – 6 Months)																		
Sr. No	Course Title	Teaching Scheme						Examination scheme										
								Theory								Practical		
		Theory			Practical			Theory			Internal			Total		Total		
		No. of lectures	Hours	Credits	No. of Lectures	Hours	Credits	Max.	Min.	Hours	Max.	Min.	Hours	Max.	Min.	Max.	Min.	Hours.
1	BCA-1391A	4	3.2	4	-	-	-	80	32	3	20	8	1	100	40	-	-	-
2	BCA-1392A	4	3.2	4	-	-	-	80	32	3	20	8	1	100	40	-	-	-
3	BCA-1393A	4	3.2	4	-	-	-	80	32	3	20	8	1	100	40	-	-	-
4	BCA-1394A	4	3.2	4	-	-	-	80	32	3	20	8	1	100	40	-	-	-
5	BCA-1395A	4	3.2	4	-	-	-	80	32	3	20	8	1	100	40	-	-	-
6	BCA-1396A	-	-	-	2	1.6	2	-	-	-	-	-	-	-	-	50	20	3
7	BCA-1397A				2	1.6	2	-	-	-	-	-	-	-	-	50	20	3
Total		20	16	20	4	3.2	4	400	-	-	100	-	-	500	-	100		
Semester-II(duration 6 months)																		
8	BCA-1398B	4	3.2	4	-	-	-	80	32	3	20	8	1	100	40	-	-	-
9	BCA-1399B	4	3.2	4	-	-	-	80	32	3	20	8	1	100	40	-	-	-
10	BCA-1400B	4	3.2	4	-	-	-	80	32	3	20	8	1	100	40	-	-	-
11	BCA-1401B	4	3.2	4	-	-	-	80	32	3	20	8	1	100	40	-	-	-
12	BCA-1402B	4	3.2	4	-	-	-	80	32	3	20	8	1	100	40	-	-	-
13	BCA-1403B	-	-	-	2	1.6	2	-	-	-	-	-	-	-	-	50	20	3
14	BCA-1404B	-	-	-	2	1.6	2	-	-	-	-	-	-	-	-	50	20	3
Total		20	16	20	4	3.2	4	400	-	-	100	-	-	500	-	100		
Grand Total		40	32	40	8	6.4	8	800			200			1000		200		

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| <ul style="list-style-type: none"> • Student contact hours per week : 19.2 Hours (Min.) | <ul style="list-style-type: none"> • Total Marks for BCA.-I : 1200 |
| <ul style="list-style-type: none"> • Theory Lectures : 48 Minutes Each | <ul style="list-style-type: none"> • Total Credits for BCA.-I (Semester I & II) : 48 |
| <ul style="list-style-type: none"> • Course list as per enclosed Annexure. ;Practical Examination is semester wise. | |
| <ul style="list-style-type: none"> • <i>Separate passing is mandatory for Theory, Internal, and Practical.</i> | |

BCA

Sr No	Name of Subject	Sub Code	Sem-I CC-A	Sem-II CC-B	Sem-III CC-C	Sem-IV CC-D	Sem-V CC-E	Sem-VI CC-F
1	Fundamentals of Computers	1391	BCA-391A	-	-	-	-	-
2	Programming in C part-I	1392	BCA-392A	-	-	-	-	-
3	Principle of Management	1393	BCA-1393A	-	-	-	-	-
4	Financial Accounting	1394	BCA-1394A	-	-	-	-	-
5	Office management & Communication	1395	BCA-1395A	-	-	-	-	-
6	Fundamentals of Computers Practical	1396	BCA-1396A	-	-	-	-	-
7	Programming in C part-I Practical	1397	BCA-1397A	-	-	-	-	-
8	Software Packages	1398	-	BCA-1398B	-	-	-	-
9	Programming using C part-II	1399	-	BCA-1399B	-	-	-	-
10	Bank Management	1400	-	BCA-1400B	-	-	-	-
11	Financial Accounting with Tally	1401	-	BCA-4101B	-	-	-	-
12	Principal of Marketing	1402	-	BCA-1402B	-	-	-	-
13	Software Packages Practical	1403	-	BCA-1403B	-	-	-	-
14	Programming using C part-II Practical	1404	-	BCA-1404B	-	-	-	-
15	Cost Accounting	1405	-	-	BCA-1405C	-	-	-
16	Human Resource Management	1406	-	-	BCA-1406C	-	-	-
17	System Analysis & Design	1407	-	-	BCA-1407C	-	-	-
18	Object Oriented Programming with C++	1408	-	-	BCA-1408C	-	-	-

19	Computer Oriented Statistical Methods	1409	-	-	BCA-1409C	-	-	-
20	Object Oriented Programming with C++ Practical	1410	-	-	BCA-1410C	-	-	-
21	Computer Oriented Statistical Methods Practical	1411	-	-	BCA-1411C	-	-	-
22	Entrepreneurship Development	1412	-	-	-	BCA-1412D	-	-
23	Web Technologies	1413	-	-	-	BCA-1413D		
24	DBMS using Access	1414	-	-	-	BCA-1414D		
25	Organizational Behavior	1415	-	-	-	BCA-1415D		
26	Computer Mathematics	1416	-	-	-	BCA-1416D		
27	Web Technologies and DBMS using Access Practical	1417	-	-	-	BCA-1417D		
28	Mini Project	1418	-	-	-	BCA-1418D		
29	Management Accounting	1419	-	-	-	-	BCA-1419E	
30	E-Commerce	1420	-	-	-	-	BCA-420E	
31	Computer Network	1421	-	-	-	-	BCA-1421E	
32	RDBMS with Oracle	1422	-	-	-	-	BCA-422E	
33	Visual Programming	1423	-	-	-	-	BCA-423E	
34	RDBMS with Oracle and Visual Programming Practical	1424	-	-	-	-	BCA-424E	
35	Mini Project	1425	-	-	-	-	BCA-425E	
36	Strategic Management	1426	-	-	-	-	-	BCA-1426F
37	Data Mining and Data Warehousing	1472	-	-	-	-	-	BCA-1427F
38	Linux Operating System	1428	-	-	-	-	-	BCA-1428F

39	Java Programming	1429	-	-	-	-	-	BCA-1429F
40	Linux Operating System Practical	1430	-	-	-	-	-	BCA-1430F
41	Java Programming Practical	1431	-	-	-	-	-	BCA-1431F
42	Major Project	1432	-	-	-	-	-	BCA-1432F