BACHELOR OF COMPUTER APPLICATIONS
SCHEME OF EXAMINATION

Paper No.	Title of Paper	Load in periods			Max Marks	Internal Assessment *Marks*	Theory *Examination Marks*
		L	T	P			
Semester-I							
BCA-11	Computer Fundamentals	5	1	0	100	20	80
BCA-12	Programming in C	5	1	0	100	20	80
BCA-13	Digital Electronics	5	1	0	100	20	80
BCA-14	Mathematical Foundations of Computer Science	5	1	0	100	20	80
BCA-15	Communication Skills	5	1	0	100	20	80
BCA-16	Software Lab based on Office Tools	0	0	6	50	-	50
BCA-17	Software Lab based on BCA-12	0	0	6	50	-	50
	TOTAL	**25**	**5**	**12**	**600**	**100**	**500**
Semester-II							
BCA-21	Programming in C++	5	1	0	100	20	80
BCA-22	Data Structure	5	1	0	100	20	80
BCA-23	Computer Organization	5	1	0	100	20	80
BCA-24	Operating System	5	1	0	100	20	80
BCA-25	System Analysis and Design	5	1	0	100	20	80
BCA-26	Software Lab based on BCA-21	0	0	6	100	-	80
BCA-27	Software Lab based on BCA-22	0	0	6	100	-	80
	TOTAL	**25**	**5**	**12**	**600**	**100**	**500**
Semester-III							
BCA-31	Web Technologies	5	1	0	100	20	80
BCA-32	Database Management System	5	1	0	100	20	80
BCA-33	Software engineering	5	1	0	100	20	80
BCA-34	Computer Architecture	5	1	0	100	20	80
BCA-35	Discrete Structures	5	1	0	100	20	80
BCA-36	Software Lab based on BCA-31	0	0	6	100	-	80
BCA-37	Software Lab based on BCA-32	0	0	6	100	-	80
	TOTAL	**25**	**5**	**12**	**600**	**100**	**500**

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		L	T	P			
Semester-IV							
BCA-41	Core Java	5	1	0	100	20	80
BCA-42	ASP.NET	5	1	0	100	20	80
BCA-43	Computer Graphics	5	1	0	100	20	80
BCA-44	Programming Languages	5	1	0	100	20	80
BCA-45	Management Information System	5	1	0	100	20	80
BCA-46	Software Lab based on BCA-41	0	0	6	100	-	80
BCA-47	Software Lab based on BCA-42	0	0	6	100	-	80
	TOTAL	**25**	**5**	**12**	**600**	**100**	**500**
Semester-V							
BCA-51	JavaScript	5	1	0	100	20	80
BCA-52	Introduction to Linux	5	1	0	100	20	80
BCA-53	Data Mining and Data Warehousing	5	1	0	100	20	80
BCA-54	Artificial Intelligence	5	1	0	100	20	80
BCA-55	Computer Network	5	1	0	100	20	80
BCA-56	Software Lab based on BCA-51	0	0	6	100	-	80
BCA-57	Software Lab based on BCA-52	0	0	6	100	-	80
	TOTAL	**25**	**5**	**12**	**600**	**100**	**500**
Semester-VI							
BCA-61	Python Programming	5	1	0	100	20	80
BCA-62	Internet of Things	5	1	0	100	20	80
BCA-63	Information Security	5	1	0	100	20	80
BCA-64	Cloud Computing	5	1	0	100	20	80
BCA-65	Environmental Studies	2	0	0	50	10	40
BCA-66	Software Lab based on BCA-601	0	0	6	100	-	80
BCA-67	Project Work			10	100	-	100
	TOTAL	**22**	**4**	**16**	**600**	**90**	**510**

Notes:

1. Minimum passing marks in theory exams - 35%
2. Minimum passing marks in practical exams - 40%
3. Minimum passing marks in project exams - 40%
4. Paper no. BCA-15 "Communication Skills" may be taught by the faculty of English Department
5. Paper no. BCA-65 "Environmental Studies" may be taught by the faculty of relevant Department
6. Remaining papers will be taught by the faculty of Computer Science Department only
7. Project work will be carried out by the students individually or in small groups as approved by the Head of the Department under the supervision of a teacher of the Computer Science/Applications Department.