

Rules and regulations of 3 years (six semesters) Bachelor in Computer Application (BCA) Degree Course

A. Admission Criteria:

- I. Candidates who have passed 10+2 Examination or its equivalent course from any recognized Board/ Universities with at least 45% marks in aggregate (5% relaxation of marks in case of ST/ SC/ OBC) and with Mathematics and one subject among Physics, Statistics & Computer Science.
Or
Candidates who have passed 3 years Diploma Course from any recognized Board/ Universities with at least 45% marks in aggregate (5% relaxation of marks in case of ST/ SC/ OBC).
- II. Selection shall be made through an admission test conducted by selection committee constituted by the University for the purpose (applicable for University only).
- III. In case of colleges selection process shall be made by respective college authorities for the purpose.
- IV. Selected candidates shall have to take admission within the prescribed time on payment of requisite course fee along with necessary documents as prescribed by the University from time to time.

B. Examination System:

- I. At least two periodical internal tests shall be conducted by the department for each paper. Average marks of these two tests shall be awarded as internal marks to the student. Department shall send this average internal marks to the Controller of Examinations, TU in advance for publication of results.
- II. At the end of each semester, there shall be a "Semester Examination" to be conducted by the Controller of Examinations, TU.
- III. Each student shall have to secure pass marks in every theory and practical papers of the course separately.
- IV. Pass marks for each theory and practical paper is 40%. Students have to score 40% marks in each group of the question paper (both for internal assessment and Semester End Examination)
- V. Student shall not be allowed to reappear at the examination of a paper in which he/she has already secured pass marks.
- VI. Students shall be eligible for the next semester examination provided he/she does not have back papers exceeding two (theory and practical) in the Semester Exam he/she has appeared.
- VII. The candidate shall have to complete the back paper(s) in the next appropriate semester examinations along with his/her regular semester examination (odd to odd and even to even).
- VIII. A candidate shall be declared qualified for their 4th semester examination provided he/she does not have any back paper(s) in respect of 1st semester examination. Similarly, a candidate shall be declared qualified for their 5th semester examination provided he/she does not have any back paper(s) in respect of 2nd semester examination. Similarly, a candidate shall be declared qualified for their 6th semester examination, if he/she does not have any back paper(s) in respect of 3rd examination. In all the cases the number of total back paper(s) shall not exceed four to declare the candidate qualified for the next semester.
- IX. If a candidate fails to qualify in any semester, as mentioned in VI and VIII, he/she shall be declared failed and his/her admission to the next semester shall automatically be cancelled.
- X. A failed candidate shall appear only in the back papers in next appropriate semester examinations (odd to odd and even to even).
- XI. A candidate shall have to be qualified in all the semester examinations within a period of ten semesters from the date of admission to the first semester. If a candidate fails to qualify all the examinations within the stipulated chances, his/her registration to the course shall automatically be cancelled.
- XII. To be eligible to appear at "Semester examination", each student shall have a minimum 75% attendance in the classes both theory and practical separately.
If a student having attendance between 65% and less than 75% shall be declared as non-collegiate, a late fine along with other fees should be imposed to him/her as per The University rules and regulation.
If a student having attendance less than 65% shall be declared as dis-collegiate. Such candidate shall not be allowed to appear at the examination. However, he/she may take re-admission to that semester subject to availability of seats and on payment of requisite fees.
- XIII. Any affiliated college/institution shall submit application form duly filled-in by the candidates intending to appear at the said examination(s) within the last date fixed by the University to the Controller of Examinations along with required fees.
- XIV. The medium of instruction/question paper for BCA course shall be in English and candidates will be required to answer in English.

C Fee Structure per Semester:

01.	Admission Fee	Rs 500/-
02.	Development Fee	Rs 400/-
03.	Tuition Fee	Rs 3400/-
04.	Computer Lab Fee	Rs 500/-
05.	Examination Fee	Rs 500/-
06.	Library Fee	Rs 100/-
	Total per semester	Rs 6,300/-
07.	Caution Deposit (Once during Admission)	Rs 1000/-
	Total during 1st semester	Rs 7,300/-

SC/ST candidates are exempted from all fees excluding caution deposit.

List of Subjects of BCA

Semester	Sub Code	Subject	PART-A	PART-B
1 st	BCA 101	English	English Language	Functional Communication
	BCA 102	Physics	Basics Physics I	Basics Physics II
	BCA 103	Basic Information Technology	Fundamentals of Computer	Fundamentals of IT
	BCA 104	PC Software	System Software	Office package
	BCA 105	LAB-I	Practical on System software	Practical on Application software
2 nd	BCA 206	Mathematics	Mathematics I	Mathematics II
	BCA 207	Electronics	Analog Electronics	Digital Electronics
	BCA 208	Programming Language C	Programming Language C	Programming Language C
	BCA 209	LAB II (Electronics)	Electronics	Electronics
	BCA 210	LAB- III (C programming)	Practical on BCA 208 A	Practical on BCA 208 B
3 rd	BCA 311	Object Oriented Programming In C++	Object Oriented Programming In C++ I	
	BCA 312	Data Structure	Data Structure I	Data Structure II
	BCA 313	Operating System	Operating System I	Operating System II
	BCA 314	Computer Architecture & Micro Processor I	Computer Architecture	Micro Processor I
	BCA 315	LAB IV	Unix	C++ Programming
4 th	BCA 416	Software Engineering	The Conventional Approach	The Object-Oriented Approach
	BCA 417	DBMS	DBMS I	DBMS II
	BCA 418	Java and Microprocessor II	Java	Microprocessor II
	BCA 419	LAB-V	Oracle SQL	Oracle SQL
	BCA 420	LAB-VI	Java	Microprocessor
5 th	BCA 521	Computer Graphics & Image Processing	Computer Graphics	Image Processing
	BCA 522	Data communication & Computer Network	Data communication & Computer Network I	Data communication & Computer Network II
	BCA 523	Discrete Mathematics & Operations research	Discrete Mathematics	Operations research
	BCA 524	Computer Networking & Web Programming	Computer Networking	Web Programming
6 th	BCA 625	Simulations & Modeling	Simulations & Modeling I	Simulations & Modeling II
	BCA 626	GUI Based Programming Language/ Tools	Visual Basic 6.0	VB.NET & ASP.NET
	BCA 627	LAB-VIII (GUI Based Programming)	Visual Basic 6.0	VB.NET & ASP.NET
	BCA 628	Project		

Details of Marks Distribution of Projects

Project Work	Project Presentation	Project Note Book	Viva-voce	Total Marks
25	30	20	25	100

Details of Marks Distribution of Theory Papers (each half) including Internal marks

Internal Assessment	Written Marks	Total Marks
15	35	50

Details of Marks Distribution of Practical Papers (each half) including Internal marks

Program/Experiment	Viva-voce	Practical Note Book	Internal Assessment	Total Marks
20	10	5	15	50