

PT. RAVISHANKAR SHUKLA UNIVERSITY, RAIPUR (CG)

ORDINANCE No. – 107 (Under Section)

BACHELOR OF COMPUTER APPLICATIONS (BCA)

1. The Degree shall be known as Bachelor of Computer Applications.
2. The duration of this course is extended over three academic sessions. This three years full time course has been broken into three parts :
 - Part I - Known as BCA Part-I
Examination at the End of First Year
 - Part II - Known as BCA Part-II
Examination at the End of Second Year
 - Part III - Known as BCA Part-III
Examination at the End of Third Year
3. The minimum qualifications for admission to the BCA course shall be Higher Secondary Education (10+2) & Mathematics as one of the compulsory subjects of M.P. or C.G. Board of Secondary Education, Raipur or any other examination recognized equivalent thereto by the University for the purpose. If the candidate does not have mathematics at 10+2 level then he may be provisionally allowed to take admission subject to clearing "Maths Bridge Course" along with the normal papers of BCA Part-I. Board of Studies will be authorized to draft syllabus for Maths Bridge Course and to take any decision in this regard.
4. The admission to BCA course of study in University School of Studies in Computer Science & Affiliated Colleges shall be made on merit basis and procedure is to be decided by the University, and any decision taken by the University in this regard will be final.
5. English shall be the medium of entrance test, instruction and examination for the course of study.
6. The admission so granted shall be governed by the University rules applicable to all the students in the University and the decision of the Kulpati in all cases shall be final.
- * 7. The total intake capacity for the affiliated Colleges shall be decided by the joint Committee of the University and Directorate of Higher Education.

* Approved by 14th Co-Ordination Committee.

8. The student admitted to BCA course shall not be permitted to appear at any other examination.
9. The BCA Course shall consist of :
 - a. Such Courses / papers;
 - b. Such practical training and project work.

As may be prescribed by Board of Studies [Computer Science], Pt. Ravishankar Shukla University, Raipur from time to time.
10. A student shall be eligible to appear in the examination if he/she has attended at least 75 percent of the classes.
11. Candidate in order to be declared pass at any part of BCA examination shall be required to obtain at least 40 percent marks in each paper. But the aggregate marks obtained (in each year) of BCA course, shall have to be 45%, students having less than 45% in aggregate, BCA will be declared as unsuccessful, then will be allowed to appear in supplementary exams in any two papers of his/her choice. If the candidate fails to get the 45% in aggregate he/she be declared as FAILED.
12. In practical papers – An examiner will examine each examinee individually through records and viva examination and by giving one or two exercises individually; duration of examination will be 3 hours for each theory and practical papers.
13. In such papers whose practical examination is conducted, a certificate is to be produced from the Head/Principal of the concerned UTD/affiliated College to University. This certificate should be produced before the date fixed by the University. In absence of this certificate examinees will not be eligible for appearing in examination.
14. A candidate declared pass at the BCA Part-I examination shall be eligible to be promoted to the BCA-II and shall be eligible for appearing in the BCA Part-II examination.
15. A candidate declared pass at the BCA Part-II examination shall be eligible to be promoted to the BCA-III and shall be eligible for appearing in the BCA Part-III examination.
16. A candidate who secures 60 percent or more marks in total aggregate of Part-I, Part-II and Part-III examinations shall be awarded First Division. A candidate who secures less than 60 percent but 45 percent marks or more in the total aggregate of marks shall be awarded Second Division.
17. There shall be no Third Division in the BCA course of study.
18. A candidate who fails to obtain 40 percent of marks in any one or two papers in any part of the examination shall be eligible to appear in the Supplementary examination of respective paper conducted by the University.

19. For determining the division of such candidates who has passed the examination through the supplementary examination, actual marks obtained in the papers at the supplementary examination shall be included.
20. For the candidate failing in the Supplementary Examination of BCA Course, the provisions applicable for B.Sc. Examination of this University will hold true.
21. A candidate not permitted to take up the BCA Part-I examination due to shortage of attendance, shall be required to apply for admission a fresh in the next Academic session.
22. The provision for revaluation in BCA course shall be same provided in B.Sc. Course of this University.
23. For the rules not defined here, the rules for B.Sc. Degree Examination at Pt. Ravishankar Shukla University shall apply here and in case of any conflict Board of Studies shall be empowered to take the decision accordingly.

SCHEME OF EXAMINATION 2008-2009
BCA PART I

Subject Code	Subject Paper	Theory Marks		Internal Marks		Teaching Load per week		
		Max. (A)	Min. (B)	Max. (C)	Min. (D)	L	T	P
BCA 101	Theoretical foundation of comp. Sc.							
	Part I Discrete Math	50	-	-	-	2	-	-
	Part II Calculus & Statistical Analysis	50	60	-	-	2	-	-
	Part III Introductory Electronics	50	-	-	-	2	-	-
BCA 101	Fundamentals of IT & O.S	100	40	50	30	4	2	-
BCA 103	Programming in 'C' Language	100	40	50	30	4	2	-
BCA 104	Introduction to PC Software & Internet Applications	100	40	50	30	4	2	-
BCA 105	A. Programming in Visual Basic	50	20	-	-	2	2	-
	B. Practical based on course 105A	50	20	-	-	-	-	2*2
BCA 106	A. English Communication skills	50	40	-	-	2	-	-
	B. Foundation Course	50		-	-	2	-	-
BCA 107	Practical Based on Course-103 & Mini Project on 105 A	100	50	-	-	-	-	3*2
BCA 108	Practical Based on Course-104	100	50	-	-	-	-	1*2
	TOTAL	850	360	150	90			
GRAND TOTAL (PAPER + INTERNAL) (A+C) 1000 (B +D) 450								

Minimum passing marks in subject BCA 101 is 40% of total marks (i.e Total of Part I + Part II + Part III marks of BCA 101)

SCHEME OF EXAMINATION 2008-2009
BCA PART II

Subject Code	Subject Paper	Theory Marks		Internal Marks		Teaching Load per week		
		Max. (A)	Min. (B)	Max. (C)	Min. (D)	L	T	P
BCA 201	Part I Numerical Analysis	50	60	-	-	2		-
	Part II Differentiation & Intergration	50		-	-	2	-	-
	Part III Data Structures	50		-	-	2	-	-
BCA 202	DBMS (Oracle, SQL)	100	40	50	30	4	2	-
BCA 203	Programming in C++ & Visual C++	100	40	50	30	4	2	-
BCA 204	Computer Networking & Internet Technology	100	40	50	30	4	2	-
BCA 205	A.Shell Programming in Linux/Unix	50	20	-	-	2	2	-
	B. Practical based on course 205A	50	20	-	-	-	-	2*2
BCA 206	A. Principles of Management	50	40	-	-	2	-	-
	B. Foundation Course	50		-	-	2	-	-
BCA 207	Practical Based on Course-202	100	50	-	-	-	-	3*2
BCA 208	Practical Based on Course-203	100	50	-	-	-	-	3*2
	TOTAL	850	360	150	90			
GRAND TOTAL (PAPER + INTERNAL)		(A+C) 1000		(B +D) 450				

Minimum passing marks in subject BCA 201 is 40% of total marks (i.e Total of Part 1 + Part II + Part III marks of BCA 201)

SCHEME OF EXAMINATION 2008-2009
BCA PART III

Subject Code	Subject Paper	Theory Marks		Internal Marks		Teaching Load per week		
		Max. (A)	Min. (B)	Max. (C)	Min. (D)	L	T	P
BCA 301	Part I Calculus & Geometry	50	60	-	-	2	-	-
	Part II Differential Equation & Fourier Series	50		-	-	2	-	-
	Part III Computer System Architect	50		-	-	2	-	-
BCA 302	Java	100	40	50	30	4	2	-
BCA 303	Operating Systems	100	40	50	30	4	2	-
BCA 304	Software Engineering	100	40	50	30	4	2	-
BCA 305	A. Component Architecture and Programming (COM, DCOM)	50	20	-	-	2	2	-
	B. Practical based on course 305A	50	20	-	-	-	-	2*2
BCA 306	A. Financial Accountancy	50	40	-	-	2	-	-
	B. Foundation Course	50		-	-	2	-	-
BCA 307	Practical Based on Course-302	100	50	-	-	-	-	3*2
BCA 308	Project	100	50	-	-	-	-	1*2
	TOTAL	850	360	150	90			
GRAND TOTAL (PAPER + INTERNAL) (A+C) 1000 (B +D) 450								

Minimum passing marks in subject BCA 301 is 40% of total marks (i.e Total of Part 1 + Part II + Part III marks of BCA 301)