



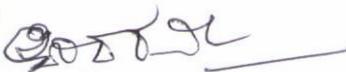
GULBARGA UNIVERSITY KALABURAGI
SCHEME OF STUDY AND EXAMINATION FOR B.C.A. IN COMPUTER SCIENCE UNDER CBCS SCHEME
W.E.F. ACADEMIC YEAR 2024-25 AND ONWARDS
SEP-2024-2025

Paper Code	Title of the Course	Marks			Duration of Theory / Practical Exam. Hrs.	Teaching Hours/Week			Credits
		Semester	IA	Total		L	T	P	
FIRST SEMESTER 2024-25 & ONWARDS									
Language-1T	Kannada/MIL-1	80	20	100	03	4	-	-	4
Language-2T	English-1	80	20	100	03	4	-	-	4
Comp-1T	Environmental Studies	80	20	100	03	4	-	-	3
DSC-1AT	Fundamentals of Computers	80	20	100	03	4	-	-	4
DSC-2AT	Discrete Mathematical Structures	80	20	100	03	4	-	-	4
DSC-3AT	Problem Solving Using C	80	20	100	03	4	-	-	4
PRACTICALS									
DSC-1AP	Practical-I: Fundamentals of Computers Lab	40	10	50	02	-	-	4	2
DSC-2AP	Practical-II: Discrete Mathematical Structures Lab	40	10	50	02	-	-	4	2
DSC-3AP	Practical-III: Problem Solving Using C Lab	40	10	50	02	-	-	4	2
TOTAL MARKS FOR FIRST SEMESTER				750					29
SECOND SEMESTER 2024-25 & ONWARDS									
Language-1T	Kannada/MIL-1	80	20	100	03	4	-	-	4
Language-2T	English-1	80	20	100	03	4	-	-	4
Comp-2T	Indian Constitution	80	20	100	03	4	-	-	3
DSC-1BT	Operating System	80	20	100	03	4	-	-	4
DSC-2BT	Data Structures Using C	80	20	100	03	4	-	-	4
DSC-3BT	Object Oriented Programming with C++	80	20	100	03	4	-	-	4
PRACTICALS									
DSC-1BP	Practical-IV: Operating System Lab	40	10	50	02	-	-	4	2
DSC-2BP	Practical-V: Data Structures Using C Lab	40	10	50	02	-	-	4	2
DSC-3BP	Practical-VI: Object Oriented Programming with C++ Lab	40	10	50	02	-	-	4	2
TOTAL MARKS FOR SECOND SEMESTER				750					29
THIRD SEMESTER 2025-26 & ONWARDS									
Language-1T	Kannada/MIL-1	80	20	100	03	4	-	-	4
Language-2T	English-1	80	20	100	03	4	-	-	4
DSC-1CT	Java Programming	80	20	100	03	4	-	-	4
DSC-2CT	Computer Networks	80	20	100	03	4	-	-	4
DSC-3CT	Database Management System	80	20	100	03	4	-	-	4
Elective-1 DSE-1T	a) Internet of Things	40	10	50	02	2	-	-	2
	b) Cyber Security								
PRACTICALS									
DSC-1CP	Practical-VII: Java Programming Lab	40	10	50	02	-	-	4	2
DSC-2CP	Practical-VIII: Computer Networks Lab	40	10	50	02	-	-	4	2
DSC-3CP	Practical-IX: Database Management System Lab	40	10	50	02	-	-	4	2
TOTAL MARKS FOR THIRD SEMESTER				700					28
FOURTH SEMESTER 2025-26 & ONWARDS									
Language-1T	Kannada/MIL-1	80	20	100	03	4	-	-	4
Language-2T	English-1	80	20	100	03	4	-	-	4


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 Dept. of Computer Science
 Gulbarga University, Gulbarga

Skill-1P	R Programming	40	10	50	02	-	-	4	2
DSC-1DT	VB.NET	80	20	100	03	4	-	-	4
DSC-2DT	Python Programming	80	20	100	03	4	-	-	4
DSC-3DT	Software Engineering	80	20	100	03	4	-	-	4
Elective-2 DSE-2T	a) Big Data Analytics	40	10	50	02	2	-	-	2
	b) Cloud Computing								
PRACTICALS									
DSC-1DP	Practical-X: VB.NET Lab	40	10	50	02	-	-	4	2
DSC-2DP	Practical-XI : Python Programming Lab	40	10	50	02	-	-	4	2
TOTAL MARKS FOR FOURTH SEMESTER				700					28
FIFTH SEMESTER 2026-27 & ONWARDS									
Skill-2T	Research Methodology	40	10	50	02	2	-	-	2
DSC-1ET	Design and Analysis of Algorithms	80	20	100	03	4	-	-	4
DSC-2ET	Computer Graphics	80	20	100	03	4	-	-	4
DSC-3ET	Web Technologies	80	20	100	03	4	-	-	4
PRACTICALS									
DSC-1EP	Practical-XII: Design and Analysis of Algorithms Lab	40	10	50	02	-	-	4	2
DSC-2EP	Practical-XIII: Computer Graphics Lab	40	10	50	02	-	-	4	2
DSC-3EP	Practical-XIV: Web Technologies Lab	40	10	50	02	-	-	4	2
TOTAL MARKS FOR FIFTH SEMESTER				500					20
SIXTH SEMESTER 2026-27 & ONWARDS									
DSC-1FT	Digital Image Processing	80	20	100	03	4	-	-	4
DSC-2FT	Data Science	80	20	100	03	4	-	-	4
DSC-3FT	Artificial Intelligence	80	20	100	03	4	-	-	4
PRACTICALS									
DSC-1FP	Practical-XV: Digital Image Processing Lab	40	10	50	02	-	-	4	2
DSC-2FP	Practical-XVI: Data Science Lab	40	10	50	02	-	-	4	2
Skill-3 MP	Major Project Report (MPR) (90 for Project evaluation, 30 for viva-voce=120,30 for IA , Total=150 marks)	120	30	150	03	-	-	12	6
TOTAL MARKS FOR SIXTH SEMESTER				550					22
TOTAL MARKS & CREDITS FOR THE COURSE				3950					156

Note: Course = Paper, DSC: Discipline Specific Core Course, DSE= Discipline Specific Elective, L=Lecture, T=Tutorial, P=Practical.


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