

23BCS251
UG PROGRAM (4 YEARS HONORS) WITH SINGLE MAJOR
AT THE END OF SECOND SEMESTER
COMPUTER SCIENCE-PROBLEM SOLVING USING C (Minor)
(w.e.f. Admitted Batch 2023-24)

Time: 3Hours

Maximum: 70 marks

SECTION - A

Answer any Five Questions. Each Question carries 4 marks

(5 x 4 = 20M)

1. Explain about Flowcharts and Algorithms.
2. Write about Jump Control Statements.
3. Define Array? Write about memory representation of Arrays.
4. Define Recursion? Write a program for recursive function.
5. Write the differences between Structures and Union.
6. Define Variable? Write the rules for constructing variable names.
7. Write the Structure of C Program.
8. Define String? How do you initialize string variables?

SECTION - B

Answer All the Questions. Each question carries 10 marks

(5 x 10 = 50M)

9. a) Draw the Block diagram of Computer? Explain the functions of various components of computer?
(Or)
b) Explain about Operators in C.
10. a) Explain about decision making statements.
(Or)
b) Write about Looping Statements with suitable Program.
11. a) Explain about different Types of Arrays.
(Or)
b) Write about String Handling Functions with a suitable Program.
12. a) Explain about Categories of Functions.
(Or)
b) Define Pointers. How do you declare and initialize the Pointers? Explain.
13. a) Explain in detail about Dynamic Memory Allocation.
(Or)
b) Explain about Structures in C Language.