

[21-BS125]

AT THE END OF FIRST SEMESTER (CBCS PATTERN)  
EXAMINATION

COMPUTER SCIENCE - I - PROBLEM SOLVING IN C  
UG PROGRAM (4 YEARS HONORS)

(W.E.F. Admitted Batch 2020-21)

Time : 3 Hours

Maximum : 75 Marks

**SECTION - A**

I. Answer any Five questions. Each question carries 5 marks. (5×5=25)

1. Write about Characteristics of a computer.
2. Explain various Input and Output statements available in C.
3. Define an array. Write declaration and accessing elements of array.
4. Explain about function prototype.
5. Explain pointer arithmetic and expressions in C.
6. Write about different applications of a computer.
7. Write the steps to involved in executing a C program.
8. Discuss Storage classes.

**SECTION - B**

II. Answer All the questions. Each question carries 10 marks. (5×10=50)

9. a) Explain different types of Computers.

(2)

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(OR)

- b) Explain about Design and Implementation of Correct, efficient and maintenance of program
10. a) Explain the Basic structure of a C program in detail.

(OR)

- b) Explain different types of conditional branching statements in C.
11. a) Write a program to sorting the given 'n' numbers using array.

(OR)

- b) List and explain various character handling functions in C.
12. a) What is recursion? With an example and program explain how it works?

(OR)

- b) Write about structures and functions.
13. a) Explain pointers and arrays.

(OR)

- b) Explain reading data from files and writing data into files.
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