

20/12/03

(1402PRC20)

THREE YEAR B.C.A. (CBCS) DEGREE EXAMINATIONS, MARCH/APRIL 2022.
(Regular/Supplementary)

FIRST SEMESTER

Paper II — PROGRAMMING IN C/C PROGRAMMING

Time : 3 Hours

Max. Marks : 75

SECTION - A

Answer any FIVE questions. Each question carries 5 marks.
(Marks : 5 × 5 marks = 25 marks)

1. What is Algorithm? Explain key features of Algorithms.
2. Explain about files used in C program.
3. Write short notes on I/O statements in C.
4. Discuss about Switch statement with example.
5. Write about Nested loops.
6. Describe any five string function with examples.
7. What is Recursive functions?
8. Difference between Structure and Unions.
9. Discuss Dynamic Memory Allocation.
10. Explain about Detecting the End of file.

SECTION - B

Answer any FIVE questions. Each question carries 10 marks.
(Marks : 5 × 10 marks = 50 marks)

11. Explain about various Generations of programming languages.
12. Discuss the various steps that are needed in compiling and executing C programs.
13. Describe the basic data types with examples in C.
14. Explain Simple if, if-else and nested - if-else statements in C with syntax and example.
15. Define Loop. Explain in detail about Iterative statements in C.

[P.T.O]

16. Write a program on two-dimensional array.
17. Discuss in detailed note on storage classes.
18. Write about Arrays of Unions variables.
19. Explain in detail how passing arguments to functions using pointer?
20. Discuss various file modes used in file handling.