



GD-2656

**B.Sc. (Part-I)
Examination, March-April, 2023**

COMPUTER SCIENCE

Paper - II

Programming in C Language

Time : Three Hours] [Maximum Marks : 50

Note : Answer any two parts from each question. All questions carry equal marks.

Unit-I

1. (a) What is token ? Explain types of token.
- (b) Explain the operator precedence and associativity.
- (c) What is the difference between getch() and getche() ?

(2)

Unit-II

2. (a) What is Switch Statement ? Explain with suitable example.
- (b) Write a program to print the prime numbers from 1 to 100.
- (c) Write a program to print the factorial of given number using function.

Unit-III

3. (a) Write a program to calculate addition of two matrix.
- (b) What is string ? Explain the string declaration and initialization with suitable example.
- (c) What is union ? How to create a union variable ? Explain with suitable example.

Unit-IV

4. (a) Write a program to swap two numbers using pointer.
- (b) What is Dynamic Memory Allocation ? How to create Dynamic Memory Allocation ? Explain with example.
- (c) How to pass function as a function argument ? Explain with example.

(3)

Unit-V

5. (a) Explain the read and write operation in a file with binary mode.
- (b) What is 'C' preprocessor? Explain any four preprocessors with example.
- (c) Write short notes on the following :
- (i) fopen()
 - (ii) fclose()
 - (iii) fseek()
 - (iv) eof()
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