



M.Sc. III Semester Degree Examination, April/May - 2024

COMPUTER SCIENCE

Introduction to C Programming

(NEP)

Time : 1 Hour

Maximum Marks : 30

Note : Answer *all* the sections.

Section - A

1. Answer all the following questions each question carries 1 mark. 5x1=5

- (a) What is flowchart used for ?
- (b) Define algorithm.
- (c) Name three data types in C programming.
- (d) When and whom was the C programming language developed ?
- (e) Give an example of system software and application software.

Section - B

Answer any 5 of the following questions each question carries 2 marks. 5x2=10

- 2.** Briefly describe the structure of C program.
- 3.** Differentiate between identifiers, keywords and tokens in C programming.
- 4.** Discuss the functionality of scanf() and printf() functions in C.
- 5.** Draw the flowchart for calculating simple interest.
- 6.** Define structures and union with a syntax.
- 7.** Enlist atleast 4 keywords used in C programming.
- 8.** Write an algorithm for identifying prime number.



Section - C

Answer any 3 of the following questions each question carries 5 marks. 5x3=15

9. Explain how 1-d and 2-d array are declared and initialized with an example.
10. Write a C program to check whether an integer is odd or even.
11. Compare and contrast the if statement, simple if statement and if...else statement in C programming. Provide scenarios where each is appropriate to use.
12. Explain how to read a character from the standard input using getchar() function in C ? Provide an example.
13. With an example, explain the various operations that can be performed on Strings.

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