

Mock Test-02  
Mid-Term Examination 2024-25  
BCA – I Semester  
Subject Code: BCA107  
Subject: C Programming  
Time: 02:00 Hrs  
Maximum Marks: 25

NOTE: Attempt all three sections

SECTION – A

Attempt both questions from Section 'A':  
(2/3 Marks each)

1. How do you declare a character variable in C? (2 marks)
2. What are the different types of data types in C? Provide an example of basic data types for each. (3 marks)

SECTION – B

Attempt any two questions from Section 'B':  
(4 Marks each)

1. Write a C program that takes a number as input and checks whether it is positive, negative, or zero.
2. Write a C program that takes two floating-point numbers and an arithmetic operator (+, -, \*, /) as input. Use an if-else statement to perform the corresponding operation and display the result.
3. Write a C program that prints the following pattern of numbers. The number of rows should be taken as input from the user:

```
1
12
123
1234
12345
```

SECTION – C

Attempt any two questions from Section 'C':  
(6 Marks each)

1. Explain the difference between for loop and while loop and What are the use of continue and break in C?
2. What are some famous software in c language and what is characteristic of c language?
3. What is the purpose of including comments in C programs and what type of comments? And write a program of to calculate Simple interest and also use comments.