

Second Internal Examination, October 2023

Department of Commerce, Semester 5

CO5CMT08 - PROGRAMMING IN "C" (THEORY)

Total: 60 marks

Time: 3 hours

Section A

Answer any 10 questions. Each question carries 1 mark.

1. Give two examples for keywords in C language.
2. Explain the increment decrement operator.
3. Explain the scanf() function with an example.
4. What are the two types of looping statements?
5. What is the use of break statement in loop?
6. What is a string?
7. What is the use of strcpy() function in C?
8. Define function declaration.
9. What do you mean by lifetime of a variable?
10. Define the major functions in conio.h.
11. What is meant by the address of a memory cell?
12. When is a null pointer used?

(10 x 1 = 10 Marks)

Section B

Answer any 6 questions. Each question carries 5 marks.

13. Write an algorithm to check whether a number is prime or composite.
14. Shortly explain the significance of C language
15. Explain control structures.
16. Write C Program to perform the calculator functions Add, subtract, multiply and division.
17. Explain two dimensional array with an example.
18. Explain call by value with an example.

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19. Explain function without argument and without return type
 20. Write the syntax for defining a structure with an example.
 21. What are the advantages of using unions?

(6 x 5 = 30 Marks)

Section C

Answer any 2 questions. Each question carries 10 marks

22. Explain the storage classes in C.
23. Explain the different forms of if statements.
24. What is an array? Explain the declaration and initialization of one and two dimensional array with an example.
25. Explain the need for a user defined function in C program.

(2 X 10 = 20 Marks)

[Scan QR code for Answer Key]