21U224   (Pages: 2)   Name: ....

                                                           Reg.No: ....

Time : 2.00 Hours   Maximum : 60 Marks

                                                           Credit : 3

Part A (Short answer questions)

Answer *all* questions. Each question carries 2 marks.

1. Explain how you can execute a C Program.

2. Define C tokens. List categories of C tokens.

3. What are trigraph characters?

4. List categories of c operators.

5. Explain type casting with an example.

6. Write any four commonly used printf format codes.

7. Distinguish between go to and continue statements.

8. How is string variables declared? Give example.

9. What are formal parameters? Give example.

10. How will you access a pointer variable in C?

11. Write a note on any two dynamic memory allocation functions in C.

12. What is structure variable? How a structure variable can be accessed using pointer?

                                                           (Ceiling: 20 Marks)

Part B (Short essay questions - Paragraph)

Answer *all* questions. Each question carries 5 marks.

13. Write a detailed note about the structure of a C program with an example.

14. Write the associativity and priority of operators.

15. Explain different control statements.

16. Differentiate between entry controlled and exit controlled loop with suitable example.

17. Differentiate static and register variable.

18. Define a structure. How values are assigned to structure variables?

19. What is pointer? How it is declared and accessed in C language?

(Ceiling: 30 Marks)

Part C (Essay questions)

Answer any *one* question. The question carries 10 marks.

20. Write a detailed note on Unary, binary and ternary operators in C language with examples.

21. Write a program to find (a) sum of two matrices. (b) Transpose of a matrix.

(1 × 10 = 10 Marks)

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