

20U370

(Pages: 2)

Name:

Reg. No:

THIRD SEMESTER B.Voc. DEGREE EXAMINATION, NOVEMBER 2021

(Regular/Supplementary/Improvement)

CC18U GEC3 PC09 - PROBLEM SOLVING USING 'C'

(Information Technology)

(2018 Admission onwards)

Time: Three Hours

Maximum: 80 Marks

PART A

Answer *all* questions. Each question carries 1 mark.

1. C language is developed by -----
2. % Operator is called -----
3. ----- is a decision-making statement.
4. ----- is an example of unary operator.
5. Structure is a(n) ----- data type.
6. The format identifier %u is used for -----
7. By default, real number is treated as -----
8. Pointer is a special kind of variable which is used to store ----- of the variable.
9. In an array, elements are always stored in ----- memory locations.
10. In a switch statement the case label must end with a -----

(10 × 1 = 10 Marks)

Part B

Answer any *eight* questions. Each question carries 2 marks.

11. List any three importance of C.
12. What are the rules for formulating variable names?
13. What is the difference between an integer constant and a float constant?
14. What is ternary operator?
15. Explain if else statement.
16. What is the purpose of go to statement?
17. What is mean by function argument, function call and return values?
18. What is fopen()?
19. What is command line argument?
20. What is global variable?
21. What are nested statements?
22. Compare break and continue statements.

(8 × 2 = 16 Marks)

Part C

Answer any *six* questions. Each question carries 4 marks.

23. Write the basic structure of C program. Explain.
24. Explain the different types of constants and variables in C
25. Explain type conversions in C.
26. Differentiate structure and array.
27. Explain two-dimensional array with an example.
28. Explain pointer with suitable example.
29. Differentiate between switch and if-else.
30. Write a short note on file handling in C.
31. Write a C program to swap the numbers using Call by reference.

(6 × 4 = 24 Marks)

Part D

Answer any *two* questions. Each question carries 15 marks.

32. Define structure and union. Explain the way of declaring and accessing them.
33. a) Explain different data types.
b) What are C tokens? Explain.
34. Explain the different types of if statement.
35. Explain the different looping control structures available in C.

(2 × 15 = 30 Marks)
