K25U 1433

Reg. No. : .....

Name : .....

Second Semester B.Sc. A.I. & M.L. Degree (CBCSS – OBE – Supplementary/Improvement) Examination, April 2025
(2023 Admission)
Core Course
2B02 AIML : PROGRAMMING IN C

Time : 3 Hours Max. Marks : 40

PART – A
(Short Answer)

Answer **all** questions from this Part. **Each** question carries **1** mark. **(6×1=6)**

1. Who developed C programming ?
2. What is the importance of semicolon in C languages ?
3. What is the purpose of printf() function ?
4. Write the syntax of Break and Continue statements.
5. What is a parameter list ?
6. How is pointer initialized ?

PART – B
(Short Essay)

Answer **any six** questions from this Part. **Each** question carries **2** marks. **(6×2=12)**

7. How do variables and symbolic names differ ?
8. What are the bitwise operators in C ? Give example.
9. Distinguish between getchr and scanf functions.
10. Explain switch statement in C language.

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11. Distinguish between global and local variables.

12. When do we use the Bit fields ? Explain.

13. What is pointer expressions ? Give an example.

14. How do you close a file ?

PART – C
(Essay)

Answer **any four** questions from this Part. **Each** question carries **3** marks. **(4×3=12)**

15. Write a program to that prints the even numbers from 1 to 100.

16. Explain with example, the increment operators in C.

17. Write a program to count the number of boys whose weight is less than 50 kg and height is greater than 170 cm.

18. Explain using example, two-dimensional arrays using in C language.

19. What are user defined-functions ? Explain with example.

20. Write a program to illustrate the use of pointers in arithmetic operators.

PART – D
(Long Essay)

Answer **any two** questions from this Part. **Each** question carries **5** marks. **(2×5=10)**

21. Explain in detail with examples, different data types in C language.

22. What are the main string handling functions in C ? Explain.

23. Describe three different approaches that can be used to pass structures as function arguments.

24. Write a program that uses the functions ftell and fseek.
