K23I 0001

Reg. No. : ....

Name : ....

I Semester Integrated M.Sc. Degree (Reg./Supple./Imp.) Examination, October 2022
(2020 Admission Onwards)
COMPUTER SCIENCE
1B01 ICSC – Introduction to C Programming

Time : 3 Hours   Max. Marks : 40

PART – A

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

1. What is Debugging ?

2. What is an algorithm ?

3. What is meant by escape sequence ?

4. What is meant by unary operator ?

5. What is the use of continue statement in a loop ?

6. _____ is defined as a group of elements that share a common name and defined by position or index.

PART – B

Answer **any 6** questions. **Each** carries **2** marks.

7. C is a structured programming language. Explain.

8. What is meant by Object code ?

9. What is a keyword ?

10. What is a Conditional Operator ?

11. Write a C program to find the greatest of 2 numbers using if..else statement.

12. What is a static variable ?

13. Explain the syntax of for loop.

14. How to initialize a character string ?

PART – C

Answer **any 4** questions. **Each** carries **3** marks.

15. What is flow chart ? Explain the flow charting symbols and their use.

16. What is a token ?

17. What are the advantages and disadvantages of call by value ?

18. Write a C program to print the multiplication table of a number given by the user.

19. Explain the switch statement with proper example.

20. Write a C program to print the greatest number from an array of numbers.

PART – D

Answer **any 2** questions. **Each** carries **5** marks.

21. Draw a flow chart to calculate the total mark of 5 subjects and print the grade.

22. Explain various operators available in C.

23. Explain two dimensional array. Write a C program for Matrix multiplication.

24. Explain various string handling functions with proper examples.

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