



K21I 009

Reg. No. :

Name :

**First Semester Integrated M.Sc. Degree (Reg.) Examination, July 2021
(2020 Admission Only)
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 the importance of algorithms in programming ?
2. What are the limitations of flowchart ?
3. What are C tokens ?
4. What is meant by the precedence of an operator ?
5. What are constants ? Give examples.
6. Name any two IDEs used for C programming.

PART – B

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

7. What are identifiers ? Explain.
8. Give any four backslash character constants.
9. Explain the use of & and * operators.
10. What is a conditional operator ? Explain.
11. Can a char type variable be converted to int type ? Explain.
12. List any two special operators. Give their uses.
13. What is the difference between built-in functions and user-defined functions ?
14. What is the use of scanf() ? Explain.

P.T.O.



PART – C

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

15. Write an algorithm to find the product of n numbers.
16. What are the different types of loops ?
17. What are unions ? How are they different from structure ?
18. Explain the use of logical && and || operators.
19. Explain various assignment operators.
20. With the help of a suitable example, explain the switch statement.

PART – D

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

21. Give a detailed account of symbols used for flowchart ? Design a flowchart to find the factorial of a given number.
 22. What are fundamental data in C language ? Explain.
 23. Explain different looping structures in C language.
 24. Write a program to add two matrices and print the result by reading values from the standard input device.
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