



K23U 1751

Reg. No. :

Name :

**II Semester B.Sc. Degree (CBCSS – Supplementary) Examination, April 2023
(2017 – 2018 Admissions)**

**COMPLEMENTARY COURSE IN COMPUTER SCIENCE
2C02CSC : Programming in C**

Time : 3 Hours

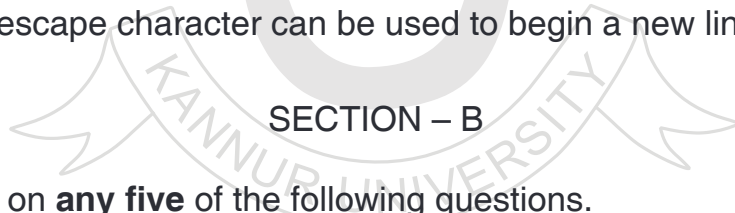
Max. Marks : 32



1. **One** word answer.

(6×0.5=3)

- _____ is the extension of the file in C after compilation.
- _____ is the storage capacity of boolean data type.
- _____ is the built-in function for finding the square root of a number.
- The operator for logical OR in C is _____.
- The built-in function for reversing a string in C is _____.
- _____ escape character can be used to begin a new line in C.



Write short notes on **any five** of the following questions.

(5×2=10)

- What is an array ?
- What is the purpose of break statement ?
- How will you create infinite loops in C ?
- What is a header file ? Give an example.
- What is a pointer ?

P.T.O.



7. Explain the register storage class in C.
8. What is a nested structure ? Give example.
9. Mention the relational operators and its purpose.

SECTION – C

Answer **any three** of the following questions.

(3×3=9)

10. Write a C program to reverse a number.
11. Explain for loop with an example.
12. Explain with an example, how will you access union members.
13. Using recursion, write a program to find factorial of a number.
14. Explain with an example for illustrating call by value in a function.

SECTION – D

Write an essay on **any two** of the following questions.

(2×5=10)

15. Explain if statement, if else statement and nested if with syntax and examples.
 16. With the help of two dimensional arrays, write a C program to find the sum of two matrices.
 17. Write a C program to sort n names in alphabetical order.
 18. Explain the use of structures in C with an example.
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