

D 71671

(Pages : 2)

Name.....

Reg. No.....

THIRD SEMESTER B.A./B.Sc. DEGREE EXAMINATION, NOVEMBER 2019

(CUCBCSS—UG)

Computer Science

BCS 3C 03—PROBLEM SOLVING USING C PROGRAMMING

(2017 Admissions)

Time : Three Hours

Maximum : 64 Marks

Part A

Answer all questions.

Each question carries 1 mark.

1. The smallest individual units of a C program are called _____.
2. Give an example for escape sequences.
3. Where an automatic variable is stored ?
4. The arguments which we pass to the main() function while executing the program are called _____.
5. Which is ternary operator ?
6. Give an example for exit controlled loop.
7. Which is the shift left operator in C ?
8. Name the string function to compare two strings.
9. Which built-in library function can be used to re-size the allocated dynamic memory ?

(9 × 1 = 9 marks)

Part B

Answer all questions.

Each question carries 2 marks.

10. What are the different fundamental data types ? Explain briefly.
11. Write a program for finding largest of three numbers using nested if.
12. What are the different input statements in C ? Explain with examples.

Turn over

13. Write a program to check whether the given integer is Armstrong or not.
14. Distinguish between break and continue.

(5 × 2 = 10 marks)

Part C

Answer any five questions.

Each question carries 5 marks.

15. What are flowcharts ? What are the different flowcharting symbols ? Explain with an example.
16. Write a c program to display number of days corresponding to given month and year.
17. What are operators ? How are they classified ? Explain.
18. Distinguish between exit controlled and entry controlled loops.
19. Explain switch statement with an example.
20. Write a G program for generating prime numbers between two ranges.
21. Explain the different string handling functions.
22. Write notes on basic file operations.

(5 × 5 = 25 marks)

Part D

Answer any two questions.

Each question carries 10 marks.

23. What are the different array operations ? Explain.
24. (a) Write a C program to generate Fibonacci series using recursion.
(b) Write a C program to find the product of diagonal elements of a matrix.
25. What are the different parameter passing techniques ? Explain with examples.

(2 × 10 = 20 marks)