

17U329

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Name:

Reg. No.

THIRD SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2018

(CUCBCSS-UG)

CC17U CSC3 C03 - PROBLEM SOLVING USING C PROGRAMMING

(Computer Science – Complementary Course)

(2017 Admissions: Regular)

Time: Three Hours

Maximum: 64 Marks

Part A

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

1. Who designed C language?
2. `printf("%c",100)`; What is the output?
3. What is the use of `typedef`?
4. _____ function is used to stop the execution of a program.
5. Name the header file which contains `sqrt()`.
6. The default return type of a function is _____.
7. What is a formal parameter?
8. What is pointer?
9. What is the purpose of function prototype?

(9 x 1 = 9 Marks)

Part B

Answer *all* questions. Each question carries 2 marks.

10. What are the different types of instructions?
11. Distinguish between `break` and `continue`.
12. What are the escape-sequences used in C?
13. List any four character functions.
14. What are the different types of memory allocations used in C?

(5 x 2 = 10 Marks)

Part C

Answer any *five* questions. Each question carries 5 marks.

15. Write a recursive function to find the Nth Fibonacci number.
16. Distinguish between structure and union. Write syntax.
17. What are the different types of constants?
18. Write a program for string sorting using pointers.
19. What are the parameter passing techniques used in C? Give examples.

20. Draw a flowchart to check for prime number.
21. What are the decision making statements/operator used in C?
22. What are the data types and qualifiers used in C?

(5 x 5 = 25 Marks)

Part D

Answer any *two* questions. Each question carries 10 marks.

23. Explain the use of different storage classes in C with examples.
24. Discuss about different functions that are used to handle files.
25. Write a program to do matrix operations. Use functions.

(2 x 12 = 20 Marks)