

17U243

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Name:.....

Reg. No.....

SECOND SEMESTER B Sc CS/ B.C.A. DEGREE EXAMINATION, APRIL 2018

(CUCBCSS – UG)

CC17U BCA2 B02/CC17U BCS2 B02 – PROBLEM SOLVING USING C

(2017 Admissions: Regular)

Time: Three Hours

Maximum: 80 Marks

PART A

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

1. Who developed C language?
2. Where do you use the keyword *default*?
3. What are the different types of assignment statements?
4. *for* statement can be used without any parameter. True or False.
5. What are the logical operators used in C?
6. Distinguish between *getch()* and *getche()*.
7. Distinguish between postfix and prefix operators.
8. What are the different modes to open a file?
9. How do you find the memory requirement of a structure variable?
10. What is type casting?

(10 x 1 = 10 Marks)

PART B

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

11. What is a pointer variable? How it can be used to access a value?
12. What is function-prototype statement?
13. How do you initialize a 2D array?
14. What are the functions used for dynamic memory allocation?
15. Give an example to illustrate array-of-pointers.
16. Discuss about any four string handling functions.
17. Write the statements to print ASCII code contained in your name.
18. What are the escape-sequences used in C?

(8 x 2 = 16 Marks)

PART C

Answer any *six* questions. Each question carries 4 marks.

19. What are the different types of instructions?
20. Distinguish between *break* and *continue* statements.
21. What are the data types and qualifiers used in C?
22. Write a program to reverse a string using recursion.
23. Distinguish between structure and union.
24. Write the associativity and priority of operators.
25. What are the storage classes used in C?
26. Distinguish between the use of pointers and arrays for strings.
27. What are the different types of constants?

(6 x 4 = 24 Marks)

PART D

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

28. Write a program to prepare a sales bill using array of structures.
29. Explain different types of looping statements with examples.
30. What are the parameter passing techniques used in C? Explain with examples.
31. What are the decision making statements and operator used in C? Explain with examples.
32. Write a program to read and write into a file using command line parameters.

(3 x 10 = 30 Marks)
