

17U135

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Name:

Reg. No.....

FIRST SEMESTER B.Sc.CS/BCA DEGREE EXAMINATION, NOVEMBER 2017

(Supplementary/Improvement)

(CUCBCSS-UG)

CC15UBCS1B01 / CC15UBCA1B01- PROBLEM SOLVING USING 'C'

(Computer Science -Core Course)

(2015,2016 - Admissions)

Time: Three Hours

Maximum Marks: 80 Marks

I. Answer all questions:-

1. What is the use of static keyword?
2. What is the difference between structure and union?
3. Write syntax of switch statement.
4. What is a keyword?
5. What is the use of malloc statement?
6. Define pointer.
7. What do you mean by recursion?
8. Name various basic data types of C
9. Define algorithm.
10. Write how to use conditional operator?

(10 x 1=10 Marks)

II. Answer all questions.

11. Differentiate the global and the local variables?
12. What are the differences between while and do while statement?
13. Write the structure of C program.
14. What are the elements of user-defined functions?
15. What are the uses of preprocessor directives?

(5 x 2=10 Marks)

III. Answer **any five** questions.

16. Write a C program to find roots of quadratic equation.
17. Explain string handling functions with example?
18. Short note on use defined data types in C
19. Short note on structures in C
20. Explain how pointers can be used in structures with example?
21. Write a C program to check a number is palindrome or not?
22. Explain parameter passing mechanism to functions in C?
23. Explain with example one dimensional array concepts.

(5 x 4=20 Marks)

IV Answer **any five** questions:

24. Explain various storage classes in C.
25. Explain operators in C.
26. Explain file handling operations in C.
27. Short note on Looping statements in C.
28. Short note on functions in C.
29. Explain preprocessor directives.
30. Explain various if statements in C with examples.
31. Write a C program to multiply two given matrices?

(5 x 8=40 Marks)
