SECOND SEMESTER B.Sc. CS/ BCA DEGREE EXAMINATION, APRIL 2019
(Regular/Supplementary/Improvement)
(CUCBCSS – UG)
CC17U BCA2 B02 / CC17U BCS2 B02 – PROBLEM SOLVING USING C
(2017 Admission onwards)

Time: Three Hours   Maximum: 80 Marks

PART-A
Answer *all* questions. Each question carries 1 mark.

1. In C program, the smallest individual unit is known as _____

2. The _____ header file contains mathematical functions.

3. The _____ operator returns the number of bytes the operand occupies.

4. C language was developed by _____

5. #define is a _____

6. Write C statement to find maximum of two numbers using ternary operator.

7. Name the keywords which can be used for coming out of recursion.

8. User defined data type can be derived by _____

9. For a 16 bit compiler allowable range of integer constants is _____

10. The default parameter passing mechanism is _____

(10 x 1 = 10 Marks)

PART- B
Answer *all* questions. Each question carries 2 marks.

11. What do you mean by a keyword in C language?

12. Explain the basic structure of a C program?

13. Define recession with a suitable example.

14. Compare the use of break and continue with suitable examples.

15. Explain the working of Do-while loop with suitable example.

16. Explain how you can declare and initialize a two dimensional array in C.

17. Explain the concept of pointers in C.

18. Write a C program to swap two numbers without using a temporary variable.

(8 x 2 = 16 Marks)

PART-C
Answer any *six* questions. Each question carries 4 marks.

19. Write a program using pointers to determine the length of a character string.

20. Illustrate the copying and comparison of two structures with suitable example.

21. Explain the use of Switch statement in C.

22. Explain different types of relational operators available in C.

23. Explain different string handling functions available in C.

24. Explain how you can access a variable through pointers with suitable examples.

25. Explain the working of a "Go to" statement with example.

26. Write a C Program that implements fseek() function.

27. Explain how you can execute a C Program.

(6 x 4 = 24 Marks)

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

28. Explain defining and opening of a file in C.

29. Write a C Program to calculate the subject wise total and store them as a part of a structure.

30. Explain different types of looping statements in C.

31. Write a program to compute and print multiplication table using a two dimensional array.

32. Discuss the use of pointers in accessing one dimensional array elements.

(3 x 10 = 30 Marks)

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