Reg. No…….. Name…… **15U119**

B.Sc. DEGREE END SEMESTER EXAMINATION OCTOBER 2016

SEMESTER **1: BSc COMPUTER APPLICATION (CORE)**

COURSE: **15U1CRCAP2 – PROGRAMMING IN 'C'**

Common for Regular (2016 Admission) & Supplementary / Improvement (2015 Admission)

Time: Three Hours Max Marks: 75

PART A

Answer **All** questions in one sentence each. Each question carries 1 mark.

1. What is modularity?
2. What is a constant?
3. What is the syntax of cast type operator in C?
4. Define function prototype.
5. What are actual parameters?
6. Explain getch ().
7. What do you mean by associativity?
8. What is a qualifier?
9. What is the largest value that can be assigned o an integer variable?
10. What is the purpose of go to statement? (1 x 10 = 10)

PART B

Answer **any eight** questions in one or two sentences.
Each question carries 2 marks.

11. What are the features of a good computer program?
12. Explain conditional operator in C.
13. What are the symbols used in a flowchart?
14. What are user defined functions?
15. What is the purpose of break statement?
16. Define structures in C.
17. What are the advantages of pointers?
18. Explain type definition in C.
19. Explain statements in C.
20. What are command line arguments? (2 x 8 = 16)

PART C

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

21. What is structured programming?
22. Explain the evaluation of arithmetic expressions in C.
23. Write a short note on bitwise operators.

24. Differentiate while and do..while loop in C.

25. Explain switch statement with an example.
26. Write a program to find the sum of the digits of any number 'n'
27. Explain different parameter passing techniques in C. (5 x 5 = 25)

PART D

Answer **any two** questions. Each question carries **12** marks

28. Explain in detail different datatypes in C.
29. Explain different operators in C

30. a) What is an array? Explain initializations in arrays.

    b) Write a modular program to sort an array of n elements.

31. a) Explain the different file handling functions in C

    b) Write a program to copy one file to another. (12 x 2 = 24)

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