Reg. No. : ....

Name : ....

III Semester B.Com. Degree (CCSS) (Supplementary) Examination, November 2016
Core Course (Optional)
3B05 COM (D – Computer Application)
PROGRAMMING IN C
(2012-13 Admissions)

Time : 2 Hours

Max. Weight : 20

PART – A

This Part consists of **two** bunches of questions carrying **equal** weight of **one**. **Each** bunch consists of **four** objective type questions.

Answer **all** questions.

I. 1) C statements end with

    a) period   b) semicolon   c) braces   d) # symbol

2) Which of the following is not a floating point number ?

    a) 100.0   b) 100   c) –100.0   d) 1.5e – 2

3) Which of the following variable names is illegal ?

    a) Dec2016   b) grade_point   c) 3guys   d) y

4) Organizing a large program into small independent program is called _____ programming

    a) C   b) BASIC   c) Multiple   d) Modular

(W = 1)

II. 5) All C programs must have a

    a) period   b) looping construct   c) function main   d) $ symbol

6) A global variable is a variable
   a) declared in the main () function
   b) declared in any function other than the main ( ) function
   c) declared outside the body of every function
   d) declared anywhere in the C program

7) The keyword for declaring a variable that contains a decimal point is
   a) float   b) int   c) array   d) str

8) The & & and || operators are
   a) arithmetic operators   b) logical operators
   c) relational operators   d) None of these   (W = 1)

PART – B

Answer **any six** questions in **one** or **two** sentences **each**.

Each question carries a weight of **one**.

9. Evaluate the expression $k = g + r/n - g\%n + 2^*g$; if $g = 5$, $r = 7$ and $n = 2$.

10. What is an integer ? Give examples.

11. List the basic data types in C.

12. Write a C statement that gets a numerical value from the keyboard and place it in the variable average.

13. Distinguish x-- from --x.

14. Differentiate a user defined function and one supplied in the C library.

15. Write an explain the syntax of conditional operator.

16. Point out the hierarchy of arithmetic operations in C.   (W = 6×1=6)

PART – C

Answer **any four** questions in **not** more that **one** page.

Each question carries a weight of **two**.

17. Explain with flow chart symbols the syntax of if-else structure in C.

18. What is meant by an Array ? Explain how an array is declared in a C program ?

19. Write a structure specification that includes three variables -all of type int-called hrs, mins, and secs. Call this structure time.

20. What are the similarities between a union and a structure in C ?

21. Explain call by value and call by reference in functions.

22. Discuss the difference between recursion and iteration.   (W = 4×2=8)

PART – D

Answer **any one**. **Each** question carries a weight of **four**. Answer **not** to exceed **four** pages.

23. Give the basic structure of C program. Explain the syntax and use of each section with example.

24. What is meant by a loop ? Explain for, while and do-while loop constructs with suitable simple examples.   (W= 1×4=4)

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