M 11158

**III Semester B.A./B.Sc./B.Com./B.B.A./B.B.A. T.T.M./B.B.M./B.C.A./B.S.W.
Degree (CCSS – Reg./Supple.) Examination, November 2011
CORE COURSE IN COMMERCE
3B05 COM (D – Computer Application)
Programming in C**

Time: 3 Hours

Max. Weights : 20

PART – A

This part consists of **two** bunches of questions carrying **equal** weightage of **one**.
Each bunch consists of **four** objective type questions.
Answer **all** questions.

I. 1) C program can be viewed on a group of building blocks called _____

    a) Functions   b) Values

    c) Variables   d) Constants

  2) Every program statement in a C language must end with a _____

    a) Full stop   b) Semi-colon

    c) Question mark   d) Paranthesis

  3) The process of finding the location of the specified element in a list is known as

    a) Searching   b) Sorting

    c) Comparing   d) Evaluating

  4) Organising a large program into small independent program segments is known

    as _____ programming

    a) C   b) Modular

    c) Array   d) Multifunction   **(W = 1)**

II. 5) A function that calls itself is known as a _____ function.

   a) Nested   b) Recursion

   c) User-defined   d) Loop

  6) Unions follows the same syntax as _____

   a) Pointers   b) Arrays

   c) Structures   d) Functions

  7) _____ help to organise complex data in a more meaningful way.

   a) Structures   b) Arrays

   c) Unions   d) Pointers

  8) A _____ variable is initialised only once.

   a) Integer   b) Static

   c) Real   d) Register   **(W = 1)**

PART – B

Answer **any six** questions in **one** or **two** sentences **each**. **Each** question carries a weightage of **one**.

9. What are the different forms of main statement in C ?

10. Describe data types in C.

11. What is a switch statement ?

12. Distinguish entry controlled and exit controlled loop.

13. Point out the need for user-defined functions.

14. State some circumstances where array can be used.

15. What is meant by a multifunction program ?

16. What is meant by overflow and underflow of data in C ?   **(W = 6×1=6)**

PART – C

Answer **any four** questions in not more than **one** page. **Each** question carries a weightage of **two**.

17. What is meant by function declaration ?

18. What are the rules for passing multi-dimensional arrays to functions.

19. What do you mean by automatic variables ?

20. Define structure. Give examples.

21. Give the meaning of 'Bit field'.

22. What is a pointer ? (W = 4×2=8)

PART – D

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

23. Give a brief account of C operators.

24. Explain :

   a) The 'while' statement

   b) The 'do' statement

   c) The 'for' statement. (W = 1×4=4)