B.Sc. II Semester Degree Examination, May 2013
COMPUTER SCIENCE
BSC204CS : Programming in C

Time : 3 Hours

Max. Marks : 80

Instruction : **All** *the Sections are* **compulsory**.

SECTION – A

I. Answer **any ten** of the following :   (10×2=20)

1) Write the structure of C-program.

2) What is a variable ? Give an example.

3) Mention the basic data types of C.

4) What is the difference between variables and identifiers ?

5) Why C is called as case sensitive programming language ?

6) Mention the input/output statements of C

7) Write the syntax of switch-case statement.

8) Mention the looping statements in C.

9) What is an array ? Give an example.

10) What is function ? Give any two in built functions of C.

11) What is structure ? Give an example.

12) What is pointer ? Give an example.

SECTION – B

II. Answer **any six** of the following :   (6×5=30)

13) What are the differences between interpreter and compiler ?

14) Explain the increment and decrement operators in C.

15) Explain for loop with syntax and flow chart.

P.T.O.

16) Write a C-program to sort the elements of an array in ascending order.

17) Write the C-program to find the Binomial co-efficient using recursive function.

18) Explain parameter passing mechanisms in C.

19) WACP to interchange the values of the variables without using the temporary variable. Use pointers.

20) Explain string handling functions in C. Give an example for each.

SECTION – C

III. Answer **any three** of the following :   (3×10=30)

21) a) Explain unconditional branching statement in C.

 b) WACP to find the factorial of a given +ve integer number using goto statement.

22) Explain the categories of functions in C.

23) Write a C-program to accept roll no, name, class and average of 3 students and display them using array of structures.

24) How do you declare and manipulate single and double dimensional arrays using pointers ?

25) What is union ? For what find of applications are unions useful ? Explain with an example.

———————————