

July 2013

Bachelor of Computer Application (BCA) Examination
II Semester

Problem Solving & Programming Through C - II

Time : 3 Hours]

[Max. Marks : 50

Note - Attempt all the five questions. Solve any two Parts from each question. All questions carry equal marks.

1. (a) What do you understand by scope of any variable? Describe local and global Variables.
(b) Write a program that contains a function to reverse the number provided by the user.

OR

- (a) What is function prototype? Explain.
(b) What are return types of functions? Explain various return types of function in C.
2. (a) How pointers can be used as parameter to the function? Explain.
(b) How string can be used with the help of pointer in C ? Explain with example.

OR

- (a) How data can be write to or read from structure variable? Describe using suitable example.
(b) State the major difference between structure and union.
3. (a) What are various methods available in C to read the disk file?
(b) Write a C program to describe the process of writing data to a file.

OR

- (a) What do you mean by Static and Dynamic Allocation of Memory?
(b) What is command line argument concept? What is the need of it?

4. (a) How to set colors in various graphics mode?
(b) Explain any two of the following :
(i) Display adapter
(ii) Resolution
(iii) Video display modes

OR

- (a) What do you mean by Video Pages?
(b) How to write VDU memory in text mode?
5. (a) Write a program to create circle with red colour.
(b) What do you mean by designing animations? Explain.

OR

- (a) Explain various graphic programming modes with examples.
(b) Write a program to draw a stylish line on screen using graphics programming.

* * *