June 2017
Bachelor of Computer Application (BCA) Examination
II Semester

(Problem Solving and Programming Through C - II)

Time 3 Hours]   [Max. Marks 40

Note : Attempt all the questions. Solve any two parts from each question. All questions carry equal marks.

1. (a) Write a C program to multiply two numbers using user defined function. If the result is an odd number then display 01 to the user otherwise display as to the user.
   (b) What is meant by function argument, function call and return value ? Explain with the help of an example.
   (c) What do you mean by recursion ? Explain with the help of example.

2. (a) What do you mean by array of pointers ? Explain with the help of example.
   (b) Explain any three standard library string functions.
   (c) What do you mean by structure ? Create a structure to store data about a book. You want to store its name, its price and number of pages in it.

3. (a) What are the various file opening modes; which are available with fopen() function ? Explain.
   (b) What is a file ? Explain how the file open and file close functions work in C.
   (c) Write a C program to read and display a text from file.

4. (a) Explain Color Graphics Adapter (CGA) and Enhanced Graphics Adapter (EGA).
   (b) Write various types of monitors. Explain them in brief.
   (c) Explain following terms :
       (i) Resolution (ii) Refresh Rate.

5. (a) Explain various parameters of the function setlinestyle().
   (b) How the animation can be included in images in C language ? Specify the functions and explain them.
   (c) Write a C program to draw a rectangle. Fill it with Red Color.

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