

May 2015

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 is Recursion ? Explain types of recursion.
(b) Write a program to display odd numbers from 1 to 99 using user defined functions.
(c) Explain call-by-value and call-by-reference with suitable example.
2. (a) What is union in C ? How is data stored using union ?
(b) Write a program to interchange elements of character array using pointer.
(c) Distinguish between the address stored in the pointer and the value at that address. Explain with example.
3. (a) Write a program to write contents of one file in reverse into another file.
(b) What is command line argument ? Explain with example.
(c) Illustrate following file functions :
(i) fseek() (ii) feof() (iii) ftell()
4. (a) What is the purpose of display adapter ? Where is it present in the computer ?
(b) Explain different category of display screens. Explain the importance of each ?
(c) Describe color selections and representations in text mode,
5. (a) Write a program in C to create a circle and fill with blue color.
(b) Explain the function used to draw a stylish line. Explain with an example,
(c) Illustrate the following graphics functions :
(i) bar() (ii) initgraph() (iii) settentjustify()

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