

Roll. No.....

1212004

B.Tech 2nd Semester Examination
Jan.2014
Advanced C Programming
Subject Code: CSL-102

Time Allowed: 03 hours.

Maximum Marks: 100

Before answering the question paper the candidate should ensure that they have been supplied the correct question paper. Complaints in this regard, if any, shall not be entertained after the examination.

Note: Question No. 1 is Compulsory and attempt two questions from each section. All questions carry equal marks.

1. Explain the following: (5*4)
- (a) Command Line Argument
 - (b) Declaring Pointer Variable
 - (c) malloc() Function
 - (d) Strcat() and Strrev() Function

SECTION - A

- 2(a) Describe the concept of pointer and write an example to access a variable through its pointer. (10)
- (b) Discuss the applications of pointers and list the disadvantages of them. (10)
- 3(a) Write a Program to compare two strings without using library functions. (10)
- (b) What do you mean by String? Explain the purpose of null character (\0). (10)
- 4(a) Write a suitable program using function returning pointer. (10)
- (b) Explain the use of pointer as function argument with examples. (10)

SECTION - B

- 5(a) What are the Storage classes of C variables? Briefly explain each. (10)
- (b) What is dynamic memory allocation? How does it help in developing complex programs? (10)
- 6(a) Define Macro? Write a Program to demonstrate the use macro in 'C'. (10)
- (b) What is a preprocessor? Define Preprocessor Directives and also differentiate between #define and #undef directive. (10)
- 7(a) What are the different functions related to file handling in 'C'. (10)
- (b) Write the typical error situation which can occur while dealing with files in 'C'. (10)