ELECTRONICS & COMMUNICATION ENGINEERING DEPARTMENT
NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHETRA
SESSIONAL-II
BASICS OF PROGRAMMING (CSIR-11)
SECTION: EC-A, EC-B, EC-C

Max. Marks: 15

Time: 50 mins

Note: All Questions are Compulsory.

The candidate before starting the exam, please check the question paper for any discrepancy.

1. (i) Can relational operations be performed on a string? Explain.　　　　　**[1]**

(**ii**) What is the null character and what it is used for, in the context of the strings?　　**[1]**

(**iii**) Write a program to concatenate two strings.　　　　　　　**[3]**

2. (i) How do the arithmetic operators + and − behave in the following cases:

　　(a) Both the operands are pointers.
　　(b) One is an integer.　　　　　　　　　　　　　**[2]**

(**ii**) Write a Program to convert a decimal number to its equivalent binary number using recursion. **[3]**

3. a) What is a Structure? How is a structure type defined? How is a structure variable declared? **[2]**

b) Write a program that compares two given dates. To store a date use a structure that contains three members namely date, month and year. If dates are equal than display the message "EQUAL" otherwise "UNEQUAL".　　　　　　　　　　　　　　　　**[3]**