24361

B. Tech. 6th Semester (CSE)
Examination – May, 2014

SYSTEM PROGRAMMING AND SYSTEM ADMINISTRATION

Paper : IT-303-F

Time : Three Hours]   *[Maximum Marks : 100*

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Question No. 1 is *Compulsory* having Objective type Question.

1. Write the short answer :   2 × 10 = 20

   (i)   Explain loader.

   (ii)   Write down the phases of compiler.

   (iii) Explain compile and go loader.

(iv) Re-allocation is performed by linker its true or false.

(v) What is the difference between system administrator and DBA.

(vi) Explain Macro.

(vii) Write a unix command to look at the directory content.

(viii) What is AWK utility.

(ix) What is booting process.

(x) How system manager maintaining user account.

SECTION – A

2. (a) Explain the evaluation of the component of a programming Systems.   15

   (b) Write a short on interpreter and program generator.   5

3. (a) Explain Single phase assembler with its database.   10

   (b) Explain absolute loader and reallocation loader with their advantage and disadvantage.   10

SECTION – B

4. (a) Explain macro calls with macro instruction.   10

    (b) Define macros. Explain features of macro facility.

                                                          10

5. (a) Explain· the basic features of Unix operating System.   10

    (b) Explain CPU scheduling in Unix operating System.   10

SECTION – C

6. (a) Write the format of Unix command.   5

    (b) Write Unix commands to : $5 \times 3 = 15$

        (i) Create and delete the file.

        (ii) Compare the two file.

        (iii) Change the passward.

        (iv) Change the permission mode.

        (v) Kill processes.

7. (a) Define the file statistics in Unix.   10

    (b) Explain different filters and pipeline in Unix.   10

SECTION – D

8. (a) Define the role of system administrator.   10

   (b) Explain the use of five administrator commands with their syntax.   10

9. (a) What is shell programming ? Write a simple program using shell variables.   10

   (b) Defining the booting process of an operating system.   10

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