24361

B. Tech. 6th Semester (CSE)
Examination – May, 2016

SYSTEM PROGRAMMING & 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 : Attempt *five* questions. Question No. **1** is *compulsory*. Select *one* question from each Section.

1. (a) What is booting process ?

   (b) What is wild cards ?

   (c) What is overlays ?

   (d) What is demand paging ?

   (e) What is AWK utility ?

SECTION – A

2. (a) What do you mean by software tools ? Explain Debug Monitor.

(b) What is increment compiler ? Explain.

3. (a) What are the function of loader ? Explain the working of Relocating loader & absolute loader.

(b) Differentiate between Compiler, interpreter and assembler.

SECTION – B

4. What is macro instruction ? Discuss various macro facility with example.

5. (a) What is UNIX operating system ? Explain various feature of UNIX operating system.

(b) Explain the following :

(i) inodes

(ii) block and fragment

SECTION – C

6. Write down the UNIX Command for :

(i) splitting files

(ii) Sorting Files

(iii) Comparing files

(iv) Rearranging files

(v) Change file permission

7. (a) Compare and contract absolute and relative path names by giving examples of each.

(b) What do you mean by User names and group ? How these are created ? Explain with the help of example.

SECTION – D

8. What is the difference between C-Shell and Borne-Shell ? Write a shell program to find the greatest of three number.

9. (a) How the backup and restoration is performed in Unix environment ? Explain in detail.

(b) Describe various feature of LINUX operating system.

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