

Roll No. ....

**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 ?

24361-5350-(P-3)(Q-9)(16)

P. T. O.

### 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

24361-5350-(P-3)(Q-9)(16) ( 2 )

- (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.

24361-5350-(P-3)(Q-9)(16) ( 3 )