JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
II.B.TECH - I SEMESTER REGULAR EXAMINATIONS NOVEMBER, 2009
UNIX AND SHELL PROGRAMMING
(Common to CSE, IT)

Time: 3hours　　　　　　　　　　　　　　　　　　　　　　　Max.Marks:80

Answer any FIVE questions
All questions carry equal marks
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1. a) Explain the structure of a UNIX command with an example.
   b) How many options are there in "ls" command .Explain?

2. Explain the following with syntax and example
   a) Sort
   b) Tail
   c) Head
   d) Uniq

3. a) Write a program to display the number of lines, words and characters in a file
   b) What are the system variables in UNIX .Explain?

4. a) List all regular expressions of sed
   b) Explain
    i) Delete patterns space commands.
   ii) Change commands
   iii) Append commands.

5. a) Write a program to check whether a given number is a Armstrong number or not.
   b) Explain in detail about any four string functions.

6. a) List C character codes for print. Explain
   b) Explain the output statement in korn shell

7. a) What is the exit status of a command. Explain with example.
   b) Describe about "eval" command with an example

8. a) Write a C program to print the type of specific file (regular , device , directory)
   b) Explain about file descriptor.

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