IV B.Tech I Semester Supplementary Examinations, October/November - 2017
UNIX PROGRAMMING
(Electronics and Computer Engineering)

Time: 3 hours   **Max. Marks: 75**

Answer any FIVE Questions
All Questions carry equal marks
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1 a) What commands are used for changing passwords, for knowing the machine characteristics, displaying the date & make directory? [8]
   b) Describe the use of the commands more, lp, wc and gzip. [7]

2 a) Write note on the text processing utilities. [8]
   b) How are directories recursively searched using grep command? How is grep used to print the name of the file? [7]

3 a) How do you display a list of all processes without ps header line where processes with the same name are grouped together? [8]
   b) How do you display a listing of all directories in the PATH list? [7]

4 a) Illustrate egrep and fgrep commands with suitable examples. [8]
   b) Discuss the operational mechanism of sed. With sed command how are required lines selected or addressed. [7]

5 a) How does awk handle arrays? Explain. [8]
   b) Write short notes on awk commands used to perform string operations. [7]

6 a) What features help in debugging shell scripts in Korn shell? Explain. [8]
   b) How are break points set in Korn shell debugging? How is execution tracing done? [7]

7 a) Write a shell script that accepts two integers as its arguments and computes the value of first number raised to the power of the second number. [8]
   b) Create a script file called file properties that reads a filename entered and outputs its properties. [7]

8 a) What is meant by buffered and unbuffered I/O? Explain. [8]
   b) Write a program that reads a file in reverse. [7]

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