

II B.Tech I Semester Examinations, November 2010
UNIX AND SHELL PROGRAMMING
Common to Information Technology, Electronics And Computer
Engineering, Computer Science And Engineering
Time: 3 hours **Max Marks: 80**
Answer any FIVE Questions
All Questions carry equal marks
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1. (a) What will be the effect of following UNIX commands?
 - i. umask022
 - ii. umask
 - iii. ulimit 1024
 - iv. du../..
 (b) Discuss telnet and rlogin. [8+8]
2. What will be the effect of following UNIX commands(Create appropriate database).
 - (a) grep NW datafile
 - (b) grep NW d*
 - (c) grep '^n'datafile
 - (d) grep'4\'\$'datafile
 - (e) grep'5\'..datafile
 - (f) grep'\.5'datafile
 - (g) grep'^[we]'datafile
 - (h) grep'^[0 - 9]'datafile. [2×8=16]
3. Explain the following with suitable examples in korn shell:
 - (a) Modify a line
 - (b) Substitute
 - (c) Write an korn script to move 22 & 23 line after line 56
 - (d) Suit. [4+4+4+4]
4. What would be the effect of the following commands:
 - (a) mkdir/usr/local/src/bash/{old, new, dist, bugs}
 - (b) type printf
 - (c) echo -e "\t\tHellothere\c"
 - (d) echo -n "Hello there"
 - (e) printf -version

- (f) `printf "The number is %.2f\n" 100`
- (g) `printf %s's average was %1f% %.\n` "Jody" \$ (((80+70+90)/3))
- (h) `echo $ {EDITOR:=/bin/vi}` [2×8=16]
5. (a) Devise a pipeline which lists the five largest files in the current directory.
(b) Describe the redirection commands. [8+8]
6. (a) What are the different types of operators used in awk shell script? Explain.
(b) Mention different types of loop statements in awk shell script. [8+8]
7. (a) What is quoting? What are the three steps of quoting tokens? Explain them.
(b) What is a command substitution? Explain it with an example. [8+8]
8. (a) What is the basic function of a system call? Explain with an example.
(b) Which are the characters that should not be used in a filename? [8+8]
