

- 4 Attempt the following : 14
- (1) What is zombie? Why is its importance in UNIX? Give commands to list all zombie process currently present in system.
 - (2) Which is fastest IPC mechanism? Why? Justify your answer.
- 5 Do as directed : 14
- (1) Give command to check for palindrome word in last line of file. 2
 - (2) Write shell script to add extension '.txt' to all files in current directory. 4
 - (3) Write awk script to check if given string is present in a text file. 4
 - (4) Write a script to check if given user has logged into system at particular time. 4
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