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Question Paper Version : A
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**Fourth Semester B.E. Degree Examination, Dec.2023/Jan.2024**  
**Unix Shell Programming**

Time: 1 hr.]

[Max. Marks: 50

### INSTRUCTIONS TO THE CANDIDATES

1. Answer all the **fifty** questions, each question carries one mark.
2. Use only **Black ball point pen** for writing / darkening the circles.
3. **For each question, after selecting your answer, darken the appropriate circle corresponding to the same question number on the OMR sheet.**
4. Darkening two circles for the same question makes the answer invalid.
5. **Damaging/overwriting, using whiteners** on the **OMR** sheets are strictly prohibited.

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1. What is UNIX?  
a) An operating system  
b) Programming Language  
c) Software  
d) Editor
  2. Select the features of an UNIX shell,  
a) UNIX shell is a command interpreter  
b) UNIX shell scripts can help in automation  
c) Like any programming languages, UNIX shell supports variables, conditional statements, array etc.  
d) All of these
  3. Which of the following is not a UNIX command?  
a) cd                      b) rm                      c) pwd                      d) del
  4. The command pwd gives,  
a) Present working directory  
b) Password in encrypted form  
c) Password in decrypted form  
d) None of these
  5. cat command is used to,  
a) caphere a file  
b) display a file  
c) print a file  
d) copy a file
  6. Who command is used for,  
a) displaying a set of files  
b) displaying an informative listing of users  
c) both (a) and (b)  
d) none of these
  7. Which UNIX command is used to display the content of a file?  
a) display                      b) show                      c) echo                      d) cat

8. Which UNIX command is used to record a user login session in a file?  
a) script                      b) style                      c) log                      d) record
9. Which command is used to set terminal IO characteristics?  
a) tty                      b) cty                      c) pty                      d) stty
10. Which command is used to display the octal value of the text?  
a) octal                      b) text-oct                      c) oct                      d) od
11. Which command is used to list all the files with extension .lst?  
a) ls -l \*.lst                      b) ls lst\*                      c) ls \* \*                      d) ls \* [lst]
12. Which command is used to change directory to the name beginning with a 'P'?  
a) cd p                      b) cd p?                      c) cd p\*                      d) cd [p]
13. Which of the following directories contains all the Alias created by a user, including his login directory?  
a) /tmp                      b) /etc                      c) /usr                      d) /dev
14. Which of the following filenames can be found in more than one directory?  
a) passwd                      b) bin                      c) date                      d) Both (a) and (b)
15. The size of any block in the UNIX file system is,  
a) 512 bytes                      b) 1024 bytes                      c) 2048 bytes                      d) any of these
16. Which command sends the word count of the file infile to the newfile?  
a) wc infile>newfile                      b) wc newfile  
c) wc infile - newfile                      d) wc infile | newfile
17. Which command is used to concatenate all files beginning with the string 'emp' and followed by non-numeric characters?  
a) cat emp[!0 - 9]                      b) more[emp][!0 - 9]  
c) cat emp[x - z]                      d) cat emp[a - z]
18. In general the working directory of the user root is \_\_\_\_\_,  
a) /                      b) /root                      c) /admin                      d) /home / root
19. -a option is used with ls command for what purpose?  
a) for showing hidden files                      b) for showing executables  
c) for showing directories                      d) for multi columnar output
20. Each entry of directory file has component(s) namely \_\_\_\_\_,  
a) filename                      b) node number  
c) filename and inode number                      d) file size
21. The octal number to be given along with chmod command to make a file readable, writable and executable to the owner, readable and executable to group and other is :  
a) 000                      b) 755                      c) 744                      d) 555
22. Which command is used with filename 'note' to remove the executable permission from the user and assign read permission to the group and others?  
a) chmod u-x, go+r note                      b) chmod go+r , u+x note  
c) chmod g-x, u0+r note                      d) chmod go+x, u-x note



