

KAMARAJ COLLEGE (Autonomous)

Accredited with A+ Grade by NAAC

(Affiliated to Manonmaniam Sundaranar University, Tirunelveli)

THOOTHUKUDI – 628 003

(4 Pages)

Reg. No:

Question. Code No : 2400143

Sub Code : 24PMCA13

PG Degree End Semester Examinations – November 2024

First Semester

MCA

Major - LINUX AND SHELL PROGRAMMING

(For those who joined in July 2024 onwards)

Time : 3Hours

Maximum : 75 Marks

PART : A – (10 × 1 = 10 Marks)

Answer ALL Questions

Choose the correct answer :

1. The default shell used in many Linux distributions is _____
(a) C shell (b) Z shell
(c) Korn shell (d) Bash shell
2. Which command provides information about the command developers
(a) Commanders (b) Developers
(c) Programmers (d) Authors
3. The shell maintains _____ variables that track specific system information, such as the name of the

system, the name of the user logged in to the system, the user's system ID (called UID), the default home directory of the user, and the search path used by the shell to find programs.

- (a) User defined (b) System
(c) Global (d) Environment
4. Which symbol is used for output redirection?
(a) || (b) [
(c) < (d) >
5. Which of the following keyword is used to create functions in Linux bash shell?
(a) method (b) Fun
(c) Create fun (d) function
6. Which option is used not to produce output for each command, but waits for the print command?
(a) -e (b) -f
(c) -w (d) -n
7. The Linux world has _____ popular regular expression engines.
(a) 4 (b) 2
(c) 3 (d) 5
8. Which command is used to appends pattern space to hold space.
(a) H (b) H
(c) G (d) G
9. The Zsh shell is an open source Unix shell developed by_____
(a) Bill Joy (b) Paul Falstad
(c) Brain Fox (d) bourne
10. Which command is used for mathematical calculations in linux shell?
a) Do (b) Let

PART C - (5 × 8 = 40 Marks)

Answer ALL Questions choosing either (a) or (b).

Answer should not exceed 600 words.

16. (a) Discuss in detail about viewing the file in bash shell.

(OR)

(b) Analyse the mathematical operations performed in Bash shell.

17. (a) Explain in detail about passing parameters and shifting with parameters.

(OR)

(b) List and explain common linux command line options in detail.

18. (a) Write brief notes on creating text menus in linux bash shell.

(OR)

(b) Discuss in detail about sed editor.

19. (a) Explain in detail about extended regular expressions.

(OR)

(b) Explain about creating sed utilities in detail.

20. (a) Explain in detail about Zsh shell.

(OR)

(b) Describe how to use a MySQL database in your Linux environment to create database objects and how to use those objects in your shell scripts.