

૧. દરેક પ્રશ્નનો [a] અથવા [a(i)] અને [a(ii)] જ લખવાના રહેશે.
 ૨. પ્રશ્ન : ૧[a] અથવા ૧[a(i)] અને ૧[a(ii)] તથા ૨[a] અથવા ૨[a(i)] અને ૨[a(ii)] ના 14 માર્ક્સ ના બદલે ૧૮ માર્ક્સ રહેશે.
 ૩. પ્રશ્ન : ૩[a] અથવા ૩[a(i)] અને ૩[a(ii)] તથા ૪[a] અથવા ૪[a(i)] અને ૪[a(ii)] ના 14 માર્ક્સ ના બદલે ૧૭ માર્ક્સ રહેશે.
 ૪. દરેક પ્રશ્નનો પ્રશ્ન નં ૧(b), પ્રશ્ન નં ૨(b), પ્રશ્ન નં ૩(b) તથા પ્રશ્ન નં ૪(b) (ટુંકા પ્રશ્નો) વિદ્યાર્થીએ લખવાના નથી.

Q-1(A) What is Desktop Environment? Explain X window basics, GNOME Basics and KDE Basics in Brief. [14]

OR

Q-1(A)(1) Explain advantage and disadvantage Of Linux O.S. [7]

(2) Explain features of Unix Operating system. [7]

Q-1(B) Attempt the following (Any 4) [4]

- 1) Define file
- 2) Define process
- 3) List out two limitation of Unix
- 4) Define Kernel
- 5) Define shell
- 6) Give full form of KDE

Q-2(A) Explain Korn, bash and C shell. [14]

OR

Q-2(A)(1) explain command line argument with example. [7]

(2) Explain array in Linux with proper example. [7]

Q-2(B) Explain any 4 Commands [4]

- 1) man 2) whoami 3) su 4) mv 5) cp 6) kill

Q-3(A) Explain how to controlling access to directory and file using chmod. [14]

OR

Q-3(A)(1) how to create ,rename and manage user in Linux via command. [7]

(2) How to manage user with GUI tool KUser. [7]

Q-3(B) Attempt the following (Any 3) [3]

(1) What is a shell script?

- | | |
|-------------------------------------------|--------------------------------------|
| a) group of commands | b) a file containing special symbols |
| c) a file containing a series of commands | d) group of functions |

(2) The first line in any shell script begins with a _____

- a) & b) ! c) \$ d) #

(3) Which of the following commands let us perform a set of instructions repeatedly?

- a) for b) while c) until d) for, while, until

(4) Which of the following keywords are used in while loop?

- a) do b) done c) then d) do and done

(5) Until loop operates with a reverse logic as used in while loop (T/F)

Q-4(A) writes a note on samba server. Explain step to installation and configuration of samba server in detail. [14]

OR

Q-4(A)(1) Explain FTP. [7]

(2) Write a note on telnet [7]

Q-4(B) Attempt the following (Any 3) [3]

(1) Give full form IP.

(2) Give full form of DNS

(3) Define Port number

(4) Give full form of NFS

(5) Give full form of TCP