63/1 (SEM-1) GE1/BCAHG1016

Which option 2 2 0 2 contains discussed to remove a directory with all its

(Held in 2023) module

BACHELOR OF COMPUTER APPLICATION

Paper: BCAHG1016

(System Administration and Maintenance)

Full Marks: 60
Pass Marks: 24

Time: 3 hours

The figures in the margin indicate full marks for the questions

- 1. Choose the correct answer from the following: 1×5=5
 - (a) Which command is used to identify **file**type in Linux?
 - (i) Type
 - (ii) File
 - (iii) F info
 - (iv) Info

- (b) Which option of **rm command** is used to remove a directory with all its subdirectories?
 - (i) -b
- BACHELOR OF COMPUTER APPLICATION
 - Paper CHOIDHADE Temp
 - (iv) -r
 - (c) Core of Linux Operating System is
 - (i) shell a shall shall
 - (ii) kernel
 - (iii) terminal
 - (iv) command
 - (d) Kernel modules are present in
 - (i) /lib directory
 - (ii) /root directory
 - (iii) /boot directory
 - (iv) None of the above
 - (e) What is BIOS?
 - (i) Firmware
 - (ii) Hardware
 - (iii) Middleware
 - (iv) Software

- 2. Answer the following questions: $2\times5=10$
 - (a) What is Linux/Unix? Write the command to print the current working directory.
 - (b) Define firmware.
 - (c) What is kernel? What is the role of kernel?
 - (d) What is device driver? Name the types of device driver.
 - (e) What is shell? Name the commonly used shells on different UNIX/LINUX variants.
- 3. Answer any five from the following questions: 5×5=25
 - (a) What is GUI in Linux? Explain the components of GUI.
 - (b) Write the difference between Linux/ Unix and other operating systems.
 - (c) Explain the client-server networking model.
 - (d) Write a brief history of Windows Operating System development.
 - (e) What is file system? Explain two types of file system.

- Explain the functions of BIOS.
 - Write the commands for the following tasks in Linux (any five):
 - (i) Create directory
 - (ii) Remove directory
 - (iii) Change directory
 - (iv) Rename directory
 - (v) Change permission for a directory
 - (vi) Display the current date
 - (vii) List all the files of a directory
 - 4. Answer any two from the following questions : 10×2=20
- (a) Explain the basic of file system architecture of UNIX/LINUX.
 - (b) Give a brief overview how you can create active directory in Windows 2003/2008.
 - (c) Write short notes on any two of the ambly following ; a triello off maignal (a)
 - (i) Firewall
 - avolati (ii) LAN motein land a
 - (iii) Antivirus