

BACHELOR OF SCIENCE (INFO. & TECH.) Examination  
BSCIT Semester - 4 APRIL 2025 ( Regular ) APRIL - 2025  
CS-24: OPERATING SYSTEMS CONCEPTS WITH UNIX/LINUX

Faculty Code : 003

Subject Code : 23SL-BSCIT-MA-04-10001

[Total Marks : 50]

Time : 2 Hours]

- Q.1 (A) 1) \_\_\_\_\_ is an Example of embedded operating system. 2) Full form of FCFS. 3
- 3) PCB stands for? 2
- Q.1 (B) Explain redirection & piping operators. 5
- Q.1 (C) Difference between multi programming vs Multi Processing OR
- Q.1 (A) 1) ECB stands for? 2) Turn around time- processing time= \_\_\_\_\_? 3) Pages are loaded only on demand not in advance called? \_\_\_\_\_ 3
- Q.1 (B) What is scheduler? 2
- Q.1 (C) Difference between Internal Vs External fragmentations. 5
- Q.2 (A) 1. Unused spaces in memory are called \_\_\_\_\_? 2. \_\_\_\_\_ is a symbol to remove file permission. 3. Which command is used to change the permission of file? 3
- Q.2 (B) Explain any two communication commands. 2
- Q.2 (C) Write a shell script to check whether enter char is vowel or not. 5
- OR
- Q.2 (A) 1) MMU stands for? 2) A text file contains only \_\_\_\_\_ characters. 3) What stands for? 3
- Q.2 (B) Explain GPL. 2
- Q.2 (C) Short note on GRUB. 5
- Q.3 (A) 1. Which command is used to join other file system with unix? 2. BASH stands for? 3
3. \_\_\_\_\_ is a command interpreter.
- Q.3 (B) What is kernel? 2
- Q.3 (C) What is shell? Explain types of shell. 5
- OR
- Q.3 (A) 1) The base register is now called a \_\_\_\_\_. 2) VI stands for? 3) By default vi editor starts with? 3
- Q.3 (B) Explain rmdir & mkdir with example. 2
- Q.3 (C) following commands. 1) WC 2) PS 3) BC 4) Chmod 5) NEWS 6) Who 5

- Q.4 (A) 1) Extension for shell – script file is \_\_\_\_\_. 2) GPL stands for? 3) LILO stands for? 3
- Q.4 (B) Explain screen movement commands with VI editor. 2
- Q.4 (C) Explain looping statement in unix shell. 5

OR

- Q.4 (A) 1) \_\_\_\_\_ Command used to get value from users in shell script. 2) Linux is introduced by? 3) GNU stands for? 3

- Q.4 (B) Explain components of Linux architecture. 2

- Q.4 (C) Difference between freeware V/S Open Source. 5

- Q.5 (A) 1) MBR stands for? 2) XDM stands for? 3) \_\_\_\_\_ is Ubuntu's own default desktop environment. 3

- Q.5 (B) Difference between LILO vs GRUB. 2

- Q.5 (C) What is X-windows? Explain KDE. 5

OR

- Q.5 (A) 1) FTP stands for? 2) WINE stands for? 3) LDAP stands for? 3

- Q.5 (B) What is WINE? 2

- Q.5 (C) Write down short note. (1) Firewall (2) FTP. 5

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