

B.Sc.(IT) Semester - 4 (CBCS) Examination**March/April-2024 [OLD COURSE]****CS-22 OPERATING SYSTEMS CONCEPTS WITH UNIX/LINUX(CORE)****Time: 2:30 Hours****Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

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- Que-1(A) Answer followings: (04)
1. RR stands for_____.
 2. _____is the first stage of process in process state transition diagram.
 3. FCFS stands for_____.
 4. SJF stands for_____.
- Que-1(B) Answer the following: (Any One) (02)
1. Explain FCFS Process Scheduling policy.
 2. Explain term Preemptive Scheduling policy
- Que-1(C) Answer the following: (Any One) (03)
1. Explain features of OS in detail.
 2. Explain RR in detail.
- Que-1(D) Answer the following: (Any One) (05)
1. Explain Contiguous and non-contiguous memory allocation.
 2. Explain virtual memory using SEGMENTATION.
- Que-2(A) Answer followings: (04)
1. ____extension is used to work with c shell.
 2. ____command is used to move the file.
 3. ____command is used to change the password of the user.
 4. Using ____command you can remove recursive directories and files.
- Que-2(B) Answer the following: (Any One) (02)
1. Explain WC command with its parameters.
 2. Explain LS command with its parameters.
- Que-2(C) Answer the following: (Any One) (03)
1. Explain sort and uniq command with example.
 2. Explain cmp, comm and diff command with example.
- Que-2(D) Answer the following: (Any One) (05)
1. Explain types of files.
 2. Explain Architecture of Unix in detail.
- Que-3(A) Answer followings: (04)
1. Full form of IFS.
 2. Full form of GPL.
 3. Full form of GNU.
 4. Until loop is running only when condition is _____.
- Que-3(B) Answer the following: (Any One) (02)
1. Explain test command.
 2. Explain echo and read command.
- Que-3(C) Answer the following: (Any One) (03)
1. Explain switch case with syntax and example.
 2. Explain while loop with syntax and example.

- Que-3(D) Answer the following: (Any One) (05)
1. Explain history of Linux.
 2. Explain user interfaces of Linux.
- Que-4(A) Answer followings: (04)
1. Full form of KDE_____.
 2. Full form of GNOME_____.
 3. Full form of CDE_____.
 4. Full form of BIOS_____.
- Que-4(B) Answer the following: (Any One) (02)
1. Explain start X command.
 2. Explain GNOME.
- Que-4(C) Answer the following: (Any One) (03)
1. Explain install and uninstall software in Linux.
 2. Explain purpose of window manager.
- Que-4(D) Answer the following: (Any One) (05)
1. Explain configuring X.
 2. Explain create, delete, rename copy file and folders in Linux.
- Que-5(A) Answer followings: (04)
1. LDAP full form is_____.
 2. DNS full form is_____.
 3. FTP full form is_____.
 4. WINE full form is_____.
- Que-5(B) Answer the following: (Any One) (02)
1. Explain wine.
 2. Explain FTP service.
- Que-5(C) Answer the following: (Any One) (03)
1. Explain LDAP.
 2. Explain DNS.
- Que-5(D) Answer the following: (Any One) (05)
1. Explain steps of configuring Ubuntu's built in firewall.
 2. Explain installing and managing Apache server.
