

GEETANJALI COLLEGE OF COMPUTER SCIENCE & COMMERCE (BBA)
PRELIMINARY EXAM
B.C.A./B.SC.I.T SEM – 4

SUBJECT : Operating System Concepts with Unix/Linux
TIME : 2 ½ Hours.

DATE : //
MARKS: 70

Q-1-(A) ANSWER THE FOLLOWING. (4)

1. Queue at Ticket windows is example of _____ type of scheduling algorithm.
2. SJF stands for _____.
3. In Paging, we divide the programs into equal sized blocks called _____ and the main memory is divided into equal sized blocks known as _____.
4. When running process requires some input/output then it goes to _____ state.

Q-1-(B) ANSWER IN BRIEF (ANY ONE) (2)

1. What is turnaround time? High turn around time is good or not?
2. What is OS? List out its features.

Q-1-(C) ANSWER IN BRIEF (ANY ONE) (3)

1. Explain process state transition diagram in brief.
2. Explain real time OS in brief.

Q-1-(D) ANSWER IN BRIEF (ANY ONE) (5)

1. Explain FCFS with suitable example.
2. Write short note on paging.

Q-2-(A) ANSWER THE FOLLOWING. (4)

1. UNIX was developed by?
2. The Bourne shell written by?
3. Which directory contains system configuration files processors?
4. BASH Stands for?

Q-2-(B) ANSWER IN BRIEF (ANY ONE) (2)

1. What is Shell?
2. Explain Following Command:
 - Cat
 - Passwd

Q-2-(C) ANSWER IN BRIEF (ANY ONE) (3)

1. Explain comparison command in Linux.
2. Explain types of files in Unix/Linux.

Q-2-(D) ANSWER IN BRIEF (ANY ONE) (5)

1. Write a short note on VI Editor.
2. Write a short note on file & directory permission in Linux.

Q-3-(A) ANSWER THE FOLLOWING. (4)

1. Give the full form of LILO.
2. Which is the extension for shell-script file?
3. Full form of MBR.
4. Explain boot loader.

- Q-3-(B) ANSWER IN BRIEF (ANY ONE)** (2)
1. Explain GRUB.
 2. Explain positional parameters.
- Q-3-(C) ANSWER IN BRIEF (ANY ONE)** (3)
1. Explain decision statements in UNIX.
 2. Explain system variables.
- Q-3-(D) ANSWER IN BRIEF (ANY ONE)** (5)
1. Write a shell script to check the number is prime number or not.
 2. File Structure of Linux.
- Q-4-(A) ANSWER THE FOLLOWING.** (4)
1. What is x-windows?
 2. Write syntax to add a user to particular group.
 3. KDE Stands for _____.
 4. Which command is used to rename file?
- Q-4-(B) ANSWER IN BRIEF (ANY ONE)** (2)
1. What is open source and freeware?
 2. What is desktop environment?
- Q-4-(C) ANSWER IN BRIEF (ANY ONE)** (3)
1. Explain KDE desktop in detail.
 2. Explain GNOME control panel.
- Q-4-(D) ANSWER IN BRIEF (ANY ONE)** (5)
1. Write a step for install/uninstall software in Linux.
 2. Explain X configuration.
- Q-5-(A) ANSWER THE FOLLOWING.** (4)
1. Give Full form of LDAP?
 2. List the Special three section of the smb.conf file.
 3. The UFW is an acronym for _____.
 4. Wine stands for _____.
- Q-5-(B) ANSWER IN BRIEF (ANY ONE)** (2)
1. Explain web services.
 2. Explain FTP optimization.
- Q-5-(C) ANSWER IN BRIEF (ANY ONE)** (3)
1. What is WINE?
 2. Explain firewall and how to enable firewall in Linux.
- Q-5-(D) ANSWER IN BRIEF (ANY ONE)** (5)
1. What is samba server? Explain the installation process.
 2. Explain Apache server in detail with installation.

BEST OF LUCK