

**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 the following Questions. (04)
1. \_\_\_\_\_ Scheduling utilizes the system resources in an equitable manner.
  2. RTOS stands for?
  3. PCB stands for?
  4. Turnaround time-processing time = \_\_\_\_\_?
- Que-1 (B) Attempt any one Question. (02)
1. Explain Shortest job first Scheduling.
  2. Explain Paging.
- Que-1 (C) Attempt any one Question. (03)
1. Write a short note on memory Fragmentation.
  2. Explain Round Robin Scheduling.
- Que-1 (D) Attempt any one Question in detail. (05)
1. What is operating system? Explain types of it. Explain any one in detail.
  2. Difference between Contiguous VS Non-Contiguous Memory?
- Que-2 (A) Answer the following Questions. (04)
1. Which Symbol is use to remove file permission?
  2. In UNIX os \_\_\_\_\_ is a main Directory.
  3. VI Stands for.
  4. Yanking means?
- Que-2 (B) Attempt any one Question. (02)
1. Explain UNIX OS Architecture.
  2. Explain join command with example.
- Que-2 (C) Attempt any one Question. (03)
1. Explain grep command with example.
  2. Explain Types of Shell.
- Que-2 (D) Attempt any one Question in detail. (05)
1. Explain various modes in vi editor.
  2. What is file? Explain ordinary File and directory file and device file.
- Que-3 (A) Answer the following Questions. (04)
1. GPL Stands for?
  2. Extension for shell-script file is?
  3. Founder of Linux?
  4. Decision making if statement is over with?
- Que-3 (B) Attempt any one Question. (02)
1. Explain read command.
  2. What is open source software?

- Que-3 (C) Attempt any one Question. (03)  
1. Explain Positional parameter.  
2. Explain basic Features of Linux os.
- Que-3 (D) Attempt any on Question in detail. (05)  
1. Write a Shell script to print Fibonacci series.  
2. Write a Shell script to found factorial number.
- Que-4 (A) Answer the following Questions. (04)  
1. BIOS Stand for.  
2. CDE stand for.  
3. File Extension of Linux config file is?  
4. XDM stand for.
- Que-4 (B) Attempt any one Question. (02)  
1. Explain XFCE desktop environment.  
2. Explain LXDE desktop environment.
- Que-4 (C) Attempt any one Question. (03)  
1. Explain KDE.  
2. Explain GNOME.
- Que-4 (D) Attempt any one Question in detail. (05)  
1. Explain Configuration file for X-Window.  
2. What is Window Manager? Explain types of window manager.
- Que-5 (A) Answer the following Questions. (04)  
1. LDAP Stands for.  
2. FTP Stands for.  
3. WINE Stands for.  
4. \_\_\_\_\_ User create, during an Installation of an Ubuntu.
- Que-5 (B) Attempt any one Question. (02)  
1. Explain FTP Server?  
2. Write step to create new user in Ubuntu.
- Que-5 (C) Attempt any one Question. (03)  
1. Explain Apache Server.  
2. Explain Firewall.
- Que-5 (D) Attempt any one Question in detail. (05)  
1. What is WINE? How to configure WINE in Linux Environment.  
2. What is Samba Server? Explain Steps to share folder with Samba Server.

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