



DAH-003-1044004 Seat No. _____

B. Sc. (IT) (Sem. IV) (WEF-2016) Examination

April - 2022

**CS - 22 : Operating System Concepts with
UNIX / LINUX**

(Old Course)

Faculty Code : 003

Subject Code : 1044004

Time : $2\frac{1}{2}$ Hours]

[Total Marks : 70

- 1 (a) Objective type questions : 4
- (1) In which language UNIX is written ?
 - (2) Shell is a command interpreter used for interacting with a UNIX system. (True/False)
 - (3) Which part of the UNIX operating system interacts with the hardware ?
 - (4) What is a super user ?
- (b) Write the following question in brief any **one** : 2
- (1) What is Operating System ?
 - (2) What is Memory Allocation ?
- (c) Write the following question in brief any **one** : 3
- (1) Explain FCFS Algorithm with example.
 - (2) Explain PSTD.
- (d) Write the following question in brief any **one** : 5
- (1) Explain Types of Operating System.
 - (2) Find out Completion Time, Turnaround Time and Waiting Time with Shortest Job First (SJF) Scheduling Algorithm.

Process Queue	Burst time	Arrival time
P1	6	2
P2	2	5
P3	8	1
P4	3	0
P5	4	4

- 2 (a) Objective type questions : 4
- (1) What are Commands in Unix ?
 - (2) Which command is used for extracting the details of the operating system ?
 - (3) How can we specify more than one command in the command line at the same time ?
 - (4) Which command is used to display the documentation of commands in UNIX ?
- (b) Write the following question in brief any **one** : 2
- (1) What is File Permission in UNIX ?
 - (2) List out types of file in UNIX.
- (c) Write the following question in brief any **one** : 3
- (1) Explain CAT Command with Example.
 - (2) Explain MKDIR, PWD and CP Command with example.
- (d) Write the following question in brief any **one** : 5
- (1) Explain VI Command with Example.
 - (2) Explain GREP, FGREP and EGREP command with Example.
- 3 (a) Objective type questions : 4
- (1) Which command is used for displaying date and calendar in UNIX ?
 - (2) What is the output of who command ?
 - (3) Which command is used for displaying date in the format dd/mm/yyyy ?
 - (4) GNU Stands for _____.
- (b) Write the following question in brief any **one** : 2
- (1) What is System Variable ?
 - (2) What is the use of TEST Commands ?
- (c) Write the following question in brief any **one** : 3
- (1) Explain FOR LOOP with Example.
 - (2) Explain Open Source and Free Ware.
- (d) Write the following question in brief any **one** : 5
- (1) Explain Linux Booting Process.
 - (2) Explain IF THEN ELSE IF Command with Example.

- 4 (a) Objective type questions : 4
- (1) echo command is used for _____.
 - (2) For what purpose bc command is used ?
 - (3) KDE Stands for _____.
 - (4) GNOME Stands for _____.
- (b) Write the following question in brief any **one** : 2
- (1) What is the use of starx command ?
 - (2) What is Layered Structure of X ?
- (c) Write the following question in brief any **one** : 3
- (1) Explain KDE Desktop.
 - (2) Explain GNOME Desktop.
- (d) Write the following question in brief any **one** : 5
- (1) Explain Install and Uninstall Software in Linux.
 - (2) Explain CREATE, DELETE, RENAME, Copy Files and Folder in Linux.
- 5 (a) Objective type questions : 4
- (1) LDAP Stands for _____.
 - (2) DNS Stands for _____.
 - (3) FTP Stands for _____.
 - (4) What is web service ?
- (b) Write the following question in brief any **one** : 2
- (1) What is the use of SAMBA Server in Linux ?
 - (2) What is the use of FTP in Linux ?
- (c) Write the following question in brief any **one** : 3
- (1) How to Create Linux User Account and Password in Linux ?
 - (2) Explain Samba server.
- (d) Write the following question in brief any **one** : 5
- (1) Explain WINE.
 - (2) Explain Configure Firewall on Ubuntu.