



Seat No. _____

HK-003-00340100
B. C. A. (Sem.-IV) (CBCS)
(W.E.F. 2016) Examination
April - 2023
CS-22 : Operating System
Concept with Unix/Linux

Faculty Code : 003
Subject Code : 00340100

Time : $2\frac{1}{2}$ Hours / Total Marks : 70

- 1 (A) Objective Type Questions: 4
- (1) Define Round Robin.
 - (2) Give any four name of OS type.
 - (3) Define Virtual Memory.
 - (4) Define SJN.
- (B) Answer in brief : (Any 1 Out of 2) 2
- (1) Define User Point of view OS.
 - (2) Define Feature Point of View OS.
- (C) Answer in brief: (Any 1 Out of 2) 3
- (1) Explain Virtual Memory with segmentation.
 - (2) Draw Process State Transition Diagram .
- (D) Write a note on: (Any 1 Out of 2) 5
- (1) Explain Virtual Memory & Physical Memory.
 - (2) Explain Function of OS.
- 2 (A) Objective Type Questions: 4
- (1) List out types of file in Unix.
 - (2) Use of mkdir Command.
 - (3) Use of pwd Command.
 - (4) Use of chgrp Command.

- (B) Answer in brief: (Any 1 out of 2) 2
 (1) Explain Types of Shell.
 (2) Explain VI Modes.
- (C) Answer in brief: (Any 1 out of 2) 3
 (1) Explain Types of Files in Unix.
 (2) Explain Any three Features of Unix.
- (D) Write a note on: (Any 1 out of 2). 5
 (1) Explain Unix Architecture.
 (2) Explain Any 5 File & Directory Commands with example.
- 3** (A) Objective Type Questions: 4
 (1) Define Telnet
 (2) Define VI Editor.
 (3) Use Of touch command
 (4) Define Mounting File System.
- (B) Answer in detail: (Any 1 out of 2) 2
 (1) Explain Any Five Shell Keyword.
 (2) List Out Process related commands.
- (C) Answer in detail: (Any 1 out of 2) 3
 (1) Mounting VS Demounting File System.
 (2) Explain Screen Control Commands.
- (D) Write a note on: (Any 1 out of 2) 5
 (1) Explain Conditional statements with example if than elif else fi.
 (2) Write a Program three Value from three value from the user and calculate the addition of three value.
- 4** (A) Objective type questions: 4
 (1) Full Form of GNU.
 (2) Full Form of GPL.
 (3) Where is X-Config File?
 (4) What is Windows Manager in LINUX.
- (B) Answer in brief: (Any 1 out of 2) 2
 (1) Explain Freeware.
 (2) Explain two features of LINUX.

- (C) Answer in detail: (Any 1 out of 2) **3**
(1) Define GRUB?
(2) Define LILO Configuration?
- (D) Write a note on: (Any 1 out of 2) **5**
(1) Difference between CGI & GUI.
(2) Explain History of Linux.
- 5** (A) Objective type questions: **4**
(1) Full Form of GNOME?
(2) Define FTP.
(3) Define WINE.
(4) Define Firewall.
- (B) Answer in brief: (Any 1 out 2) **2**
(1) Explain KDE Control Panel.
(2) Explain GNOME Control Panel.
- (C) Answer in detail: (Any 1 out of 2) **3**
(1) Explain Installation & Configuration of WINE.
(2) Explain DNS Services.
- (D) Write a note on: (Any 1 out of 2) **5**
(1) Write a note on SAMBA Server.
(2) How to Install & Managing Apache Server.
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