



**DAI-003-2034004**

Seat No. \_\_\_\_\_

**B. C. A. (Sem. IV) (W.E.F. 2019) Examination**

**April - 2022**

**CS-22 : Operating Systems Concepts Using Unix/Linux**  
*(New Course)*

**Faculty Code : 003**

**Subject Code : 2034004**

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

[Total Marks : 70

- 1 (a) Answer the following : 4
- (1) What is the full-form of FCFS?
  - (2) The memory allocated from secondary storage is called \_\_\_\_\_.
  - (3) Which scheduling algorithm automatically executes queued at quantum?
  - (4) When the process is halt due to IO interruption is called \_\_\_\_\_.
- (b) Answer the following : 2  
Explain any one OS type based on features point of view.
- (c) Answer the following : 3  
Explain Round Robbin with example.
- (d) Answer the following : 5  
Explain Virtual Memory using Paging.
- 2 (a) Answer the following : 4
- (1) Who invented Bourn Shell?
  - (2) Storing the data in specific format on magnetic media is called \_\_\_\_\_.
  - (3) Which command gives the details of the user who executed the command?
  - (4) Which command changes the mode of file?

- (b) Answer the following : 2  
 Explain rmdir and mkdir with example.
- (c) Answer the following : 3  
 Explain redirection and piping operators.
- (d) Answer the following : 5  
 Explain the architecture of UNIX
- 3** (a) Answer the following : 4
- (1) Which command is used to print the text in shell?
  - (2) The software with source code that anyone can modify and enhance is called \_\_\_\_\_.
  - (3) What is the full form of GUI?
  - (4) Which variable displays the absolute pathname of user's mailbox?
- (b) Answer the following : 2  
 Explain test command with example.
- (c) Answer the following : 3  
 Explain command mode and input mode in vi editor.
- (d) Answer the following : 5  
 Explain installation and configuration of LINUX with UBUNTU.
- 4** (a) Answer the following : 4
- (1) What is the full form of KDE?
  - (2) Write the command to copy varmora.txt to sybca folder in ubuntu.
  - (3) Which configuration file checks for the graphics in Linux?
  - (4) Which command is used to add new user in Ubuntu?

- (b) Answer the following : 2  
Explain GNOME Panel.
- (c) Answer the following : 3  
Explain the purpose of windows manager.
- (d) Answer the following : 5  
Explain the configuration file of X in the directory /  
etc/X11/Xorg.conf
- 5** (a) Answer the following: 4
- (1) Which service is used to resolve (translate) hostnames to internet protocol (IP) addresses and vice versa?
  - (2) What is the full form of WINE?
  - (3) Which service is used for directory services authentication?
  - (4) Which command is used to add the user in Linux?
- (b) Answer the following : 2  
What is the use of FTP Service.
- (c) Answer the following : 3  
How to configure firewall in Linux.
- (d) Answer the following : 5  
Write down the steps to install APACHE server.
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