



0032034004

Seat No. _____

BACHELOR OF COMPUTER APPLICATION (W.E.F, 2019) Examination

BCA (2019) SEM-4 - April - 2023

CS-22 OPERATING SYS. CONCEPTS WITH UNIX-LINUX

Faculty Code : 003

Subject Code : 0032034004

Time : 2.5Hours]

[Total Marks : 70

- 1 (a) Attempt the following : 4
- 1 The time for which the process had to wait in the ready queue until it starts execution is known as,
 - 2 The time is the interval between the time of submission of process and time of completion of process is known as,
 - 3 Give the full form of FCFS.
 - 4 Give the full form of PMT
- (b) Attempt any one : 2
- 1 What is contiguous memory allocation?
 - 2 What is non-preemptive scheduling process?
- (c) Attempt any one : 3
- 1 Explain functions of OS.
 - 2 Explain process state transition diagram.
- (d) Attempt any one : 5
- 1 Write a note on Round robin process scheduling.
 - 2 Write a note on virtual memory using segmentation.
- 2 (a) Attempt the following : 4
- 1 List the basic types of files.
 - 2 List the types of permissions in UNIX.
 - 3 List the tools for mathematical calculation.
 - 4 Give the full form of pwd.
- (b) Attempt any one : 2
- 1 Describe ps and kill command.

- 2 Describe finger and cal command.
- (c) Attempt any one : 3
- 1 Explain UNIX file architecture.
 - 2 Explain types of shell in UNIX.
- (d) Attempt any one : 5
- 1 Write a note on VI editor.
 - 2 Write a note on finding pattern in file command.
- 3 (a) Attempt the following : 4
- 1 List the types of variable.
 - 2 Give the full form of IFS.
 - 3 Give the full form of GPL.
 - 4 Give the full form of CUI.
- (b) Attempt any one : 2
- 1 What is open source?
 - 2 Describe HOME and PATH system variable.
- (c) Attempt any one : 3
- 1 Explain stages of a typical LINUX boot process.
 - 2 Explain case esac statement with example.
- (d) Attempt any one : 5
- 1 List the types of loop in UNIX. Explain any one with example.
 - 2 Write a note on GRUB.
- 4 (a) Attempt the following : 4
- 1 Give the full form of CDE.
 - 2 List the KDE start menu items.
 - 3 Give the full form of APT.
 - 4 Write steps to create and rename of folder in Ubuntu.
- (b) Attempt any one : 2
- 1 What is startX command?
 - 2 What is windows manager?
- (c) Attempt any one : 3
- 1 Explain GNOME desktop.
 - 2 Explain KDE control panel.

- (d) Attempt any one : 5
- 1 Write note on KDE desktop.
 - 2 Write steps for install and uninstall package in Ubuntu.
- 5 (a) Attempt the following : 4
- 1 Give the full form of FTP.
 - 2 Give the full form of FQDN.
 - 3 Give the full form of UFW.
 - 4 Give the full form of DIT.
- (b) Attempt any one : 2
- 1 What is web services?
 - 2 What is SWAT?
- (c) Attempt any one : 3
- 1 Explain DNS services.
 - 2 Explain LDAP services.
- (d) Attempt any one : 5
- 1 Write a note on SAMBA server.
 - 2 Write a note working with WINE.