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BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY) (W.E.F. 2019) BSCIT (2019) Semester - 4 Examination

BSC IT - 4 April-2023

CS-22 OPERATING SYS. CONCEPT WITH UNIX/LINUX

Time : 2.5Hours]

[Total Marks : 70

1 (A) Answer the following:

4

- 1 What is the complete name of SJN?
- 2 What is RR Scheduling?
- 3 What is Process?
- 4 Which operating system is used to load entire batch in memory?

(B) Answer in brief (Any one out of two)

2

- 1 What is OS? List out its feature.
- 2 Write down the difference between pre-emptive and non pre-emptive scheduling.

(C) Answer in detail (Any one out of two)

3

- 1 Explain real time OS in brief.
- 2 Explain time sharing operating system.

(D) Write a note on (Any one out of two)

5

- 1 Write short note on paging.
- 2 Explain process state diagram in detail.

! (A) Answer the following:

4

- 1 UNIX was developed by?
- 2 The Bourne shell written by_____.
- 3 Explain: Shell.
- 4 BASH Stands for_____.

(B) Answer in brief (Any one out of two)

2

- 1 What is the difference between rm and rmdir command?
- 2 What is shell?

(C) Answer in detail (Any out of two)

3

- 1 Explain UNIX architecture in detail.
- 2 Explain comparison command in Linux.

(D) Write a note on (Any one out of two) 5

- 1 Explain the directory structure of unix.
- 2 Write a short note on VI Editor.

3 (A) Answer the following: 4

- 1 Which command used to perform arithmetic expression?
- 2 What is the use to :wq?
- 3 Give the full form of LILO.
- 4 Full form of MBR.

(B) Answer in brief (Any one out of two) 2

- 1 What is full form of GRUB and MBR?
- 2 Explain positional parameters.

(C) Answer in detail (Any one out of two) 3

- 1 Explain decision statements in UNIX.
- 2 What following term: 1) open source 2) GNU 3) free ware.

(D) Write a note on (Any one out of two) 5

- 1 Write a shell script to check the number is prime number or not.
- 2 What is vi editor? Explain modes of vi editor in detail.

4 (A) Answer the following: 4

- 1 What is x-window?
- 2 Full form of GNOME.
- 3 KDE Stands for ____.
- 4 File Extension of Linux Config file is ____

(B) Answer in brief (Any one out of two) 2

- 1 What is open source and freeware?
- 2 What is the purpose of window manager?

(C) Answer in detail (Any one out of two) 3

- 1 Explain KDE desktop in detail.
- 2 List out various Window manager in LINUX OS. Explain any one.

(D) Write a note on (Any one out of two) 5

- 1 Write a step for install/uninstall software in Linux.

2 Write a short note on GNOME.

5 (A) Answer the following: 4

- 1 Give full form of LDAP.
- 2 Full form of FTP.
- 3 WINE stand for _____.
- 4 List the special three section of the smb.conf file.

(B) Answer In brief (Any one out of two) 2

- 1 What is samba Suite?
- 2 Explain web services.

(C) Answer in detail (Any one out of two) 3

- 1 Explain Firewall.
- 2 What is WINE?

(D) Write a note on (Any one out of two) 5

- 1 Write a step to install Linux operating system.
- 2 Explain Apache server in detail with installation.