

B.Sc.(IT) Semester - 4 (CBCS) Examination**March/April-2023 [NEW COURSE]****Operating Systems Concepts with Unix / Linux(Core)****Time: 2:30 Hours****Marks: 70****Instructions:**

1. All questions are compulsory.
 2. Figures to the right indicate marks.
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Q.1(A) Answer the following questions. (03)

1. ECB stands for.
2. A program can be divided into fixed blocks. Each blocks of a program is Called _____?
3. Turnaround time – processing time=?

Q.1(B) Answer the following questions. (Any Two) (06)

1. Define Segmentation.
2. Explain Distributed operating system.
3. Explain Virtual memory.
4. Explain Multi-user OS with advantage and disadvantage.

Q.1(C) Answer the following questions. (Any One) (05)

1. Explain Round Robin Process Scheduling with example.
2. Explain Three states process diagram.

Q.2(A) Answer the following questions. (03)

1. VI Stands for _____
2. Explain head and tail command.
3. What is Kernel?

Q.2(B) Answer the following questions. (Any Two) (06)

1. Explain Unix OS Architecture.
2. Explain grep, uniq and sort commands.
3. Explain Communications command.
4. Explain Redirection and Piping command.

Q.2(C) Answer the following questions. (Any One) (05)

1. What is file? Explain ordinary File and directory file and device file.
2. Explain Types of Shell in detail.

Q.3(A) Answer the following questions. (03)

1. Which symbol is used for comment?
2. GPL Stands for _____
3. Founder of Linux?

Q.3(B) Answer the following questions. (Any Two) (06)

1. Explain Logical operator.
2. Explain open source in detail.
3. Explain GRUB in detail.
4. Write shell script to find the factorial value of input number.

Q.3(C) Answer the following questions. (Any One) (05)

1. Explain Features of Linux OS.
2. Explain Ubuntu, CUT and GUI.

Q.4(A) Answer the following questions. (03)

1. BIOS Stand for_____
2. KDE stand for_____
3. GNOME stands for_____

Q.4(B) Answer the following questions. (Any Two) (06)

1. Explain KDE Desktop with its properties.
2. Explain startx command.
3. What is X-Windows?
4. Explain How to Configure Xorg.conf file.

Q.4(C) Answer the following questions. (Any One) (05)

1. Explain GNOME Desktop with its properties.
2. What is Window Manager? Explain types of window manager.

Q.5(A) Answer the following questions. (03)

1. LDAP Stands for.
2. FTP Stands for.
3. HTTP Stands for

Q.5(B) Answer the following questions. (Any Two) (06)

1. How to create user account in Linux?
2. Write a sort note on Firewall.
3. How to configure Samba Server?
4. How to configure Apache Server?

Q.5(C) Answer the following questions. (Any One) (05)

1. What is WINE? How to configure WINE in Linux Environment?
2. Explain LDAP Services and Web Services optimization in Linux.
