

B.C.A 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. FCFS stands for...
2. SJN stands for...
3. OS stands for...

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

1. Explain Memory Allocation.
2. Explain Virtual Memory using paging.
3. Write a note on Virtual Memory using Segment.
4. What is Contiguous Memory Allocation?

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

1. Write a note on Features of OS.
2. Write a note on OS Types (Features point of view)

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

1. ... is the command used for making new directory?
2. ... is the command used for changing owner for file and directory?
3. ... is the command used for moving file to another directory.

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

1. Explain grep, fgrep and egrep.
2. Describe cut, paste and join with example.
3. Explain cursor movement in VI editor.
4. Write in brief: Types of Files.

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

1. Explain types of shell available in unix.
2. Write a note on Modes in VI editor.

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

1. IFS stand for...
2. GPL stands for...
3. CUI stands for...

- Q.3(B) Answer the following questions. (Any Two) (06)**
1. Write a note on Looping Statements.
 2. Explain Decision Statements.
 3. Describe GNU, GPL Concept in brief.
 4. Explain break and continue statements.
- Q.3(C) Answer the following questions. (Any One) (05)**
1. Write a note on History of Linux.
 2. Write a note on Shell Variables.
- Q.4(A) Answer the following questions. (03)**
1. Full form of KDE is...
 2. Full form of GNOME is ...
 3. Full form of GUI is ...
- Q.4(B) Answer the following questions. (Any Two) (06)**
1. Explain Desktop Environment of Layered Structure of X.
 2. Describe User Configuration in brief.
 3. Write a note on GNOME panel
 4. Explain: how to create, delete and rename files and folders.
- Q.4(C) Answer the following questions. (Any One) (05)**
1. Write a note on KDE Desktop.
 2. Write a note on GNOME Desktop.
- Q.5(A) Answer the following questions. (03)**
1. LDAP stands for...
 2. DNS Stands for...
 3. WINE stands for...
- Q.5(B) Answer the following questions. (Any Two) (06)**
1. Write a note on DNS Services.
 2. Write a note on Optimizing Web Services.
 3. Write a note on Apache server.
 4. Write a note on LDAP services.
- Q.5(C) Answer the following questions. (Any One) (05)**
1. Write a note on Samba server.
 2. Write a note on Working with WINE.
