

B.C.A Semester - 4 (CBCS) Examination**April/May -2022 [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 Question. (03)

1. What is Operating System?
2. Full form of FCFS.
3. What is Paging?

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

1. Explain Real Time Operating System.
2. Explain noncontiguous memory allocation.
3. Explain Multi-programing OS.

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

1. Explain features of OS.
2. Explain process life cycle.

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

1. Define pwd command.
2. Define rmdir command.
3. Define mkdir command.

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

1. Define Kernel.
2. Define commands head, tail.
3. Explain file & directory permission in Unix.

Q.2(C) Answer the following Question (Any one) (05)

1. Explain Shell.
2. Explain features of Unix.

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

1. Full form of GPL.
2. Full form of GUI.
3. Full form of CUI.

- Q.3(B) Answer the following Question (Any Two) (06)
1. Explain while loop with example.
 2. Explain break, continue statement with its syntax.
 3. Explain ladder if statement with its syntax.
- Q.3(C) Answer the following Question (Any One) (05)
1. Write Installation & configuration steps of Linux using with ubuntu.
 2. Write a shell script to check whether the entered number is prime or not.
- Q.4(A) Answer the following Question (03)
1. Full form of GNOME.
 2. Full form of KDE.
 3. Explain KDE Panel Properties (any two).
- Q.4(B) Answer the following Question (Any Two) (06)
1. How window manager works on GNOME desktop environment?
 2. How window manager works on KDE desktop environment?
 3. What is the purpose of window manager?
- Q.4(C) Answer the following Question (Any One) (05)
1. Explain GNOME desktop.
 2. Explain KDE Panel.
- Q.5(A) Answer the following Question (03)
1. Give full form of DNS.
 2. Give full form of TLD.
 3. Give full form of TLS.
- Q.5(B) Answer the following Question (Any Two) (06)
1. Explain Samba Server.
 2. Explain Apache Server.
 3. Explain LDAP services.
- Q.5(C) Answer the following Question (Any One) (05)
1. Explain WINE Software.
 2. How to create and manage Linux user accounts and password?
