

B.Sc.(IT) 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.

-
- Q.1(A) Answer followings: (03)
1. What is OS?
 2. _____ is the last state in process transition diagram.
 3. Full form of SJN.
- Q.1(B) Answer the followings: (Any Two) (06)
1. Explain term Preemptive Scheduling.
 2. Explain features of OS.
 3. Explain FCFS Scheduling policy.
 4. Explain Round Robin Scheduling policy.
- Q.1(C) Answer the followings: (Any One) (05)
1. Explain Virtual Memory using policy.
 2. Explain Process state transition diagram in detail.
- Q.2(A) Answer the followings: (03)
1. Full form of PWD.
 2. Full form of EGREP.
 3. VI stands for_____.
- Q.2(B) Answer the followings: (Any Two) (06)
1. Explain types of shell in detail.
 2. Explain modes of VI editor in detail.
 3. Explain File / Directory related commands.
 4. Explain Login commands in detail.
- Q.2(C) Answer the followings: (Any One) (05)
1. Explain Unix Architecture in detail.
 2. Explain types of files in detail.
- Q.3(A) Answer the followings: (03)
1. Full form of GPL.
 2. Full form of GNU.
 3. Full form of IFS.
- Q.3(B) Answer the followings: (Any Two) (06)
1. Explain While and Until loop with syntax.
 2. Explain if and elif with example and syntax.
 3. Explain system variables in detail.
 4. Explain history of Linux.

- Q.3(C) Answer the followings: (Any One) (05)
1. Write a Program to make reverse Number of ant given Number.
 2. Write a note on Linux OS features.
- Q.4(A) Answer the followings: (03)
1. GNOME stands for_____.
 2. BIOS stand for_____.
 3. CDE stand for_____.
- Q.4(B) Answer the followings: (Any Two) (06)
1. Explain GNOME desktop in detail.
 2. Explain XFCE desktop in detail.
 3. Explain KDE desktop in detail.
 4. Explain startx command in derail.
- Q.4(C) Answer the followings: (Any One) (05)
1. Explain window manager in detail.
 2. What is Xorg.conf file? How to configure it?
- Q.5(A) Answer the followings: (03)
1. Full form of DNS.
 2. Full form of LDAP.
 3. Full form of FTP.
- Q.5(B) Answer the followings: (Any Two) (06)
1. Explain DNS service.
 2. Explain FTP service.
 3. How to optimize LDAP services
 4. Explain working of WINE
- Q.5(C) Answer the followings: (Any One) (05)
1. How to create and manage Linux user account and password.
 2. Explain installing and managing Apache server.
