

B.C.A Semester - 4 (CBCS) Examination**April/May -2022 [OLD COURSE]****CS-22 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. (04)
1. What is Process?
 2. Full form of FCFS.
 3. What is memory allocation?
 4. Full Form of SJN.
- Q.1(B) Answer the following Questions (Any One) (02)
1. Define goal of Operating Sytem.
 2. Define SJN.
- Q.1(C) Answer the following Question (Any One) (03)
1. Explain Time Sharing Operating System.
 2. Explain virtual memory.
- Q.1(D) Answer the following question. (Any One) (05)
1. Explain Function of OS.
 2. Explain Round Robin Process Scheduling with example.
- Q.2(A) Answer the following Question (04)
1. Define tail command.
 2. Define cat command.
 3. Define CHMOD command.
 4. Define mkdir command.
- Q.2(B) Answer the following Question (Any One) (02)
1. Define grep, uniq command.
 2. Define telnet, finger command.
- Q.2(C) Answer the following Question (Any one) (03)
1. Explain Shell.
 2. Explain types of files used in Unix.
- Q.2(D) Answer the following Question (Any One) (05)
1. Explain Unix Architecture.
 2. Explain Features of Unix.
- Q.3(A) Answer the following Question 04 (04)
1. What is User Variable?
 2. What is system variable?
 3. Define Shell variable MAIL.
 4. Define Shell Variable Home.
- Q.3(B) Answer the following Question (Any One) (02)
1. Explain while loop with example.
 2. Explain For loop with example.

- Q.3(C) Answer the following Question (Any One) (03)
1. Explain if decision statement with its syntax.
 2. Explain case decision statement with its syntax.
- Q.3(D) Answer the following Question (Any One) (05)
1. Write a shell script to reverse entered number.
 2. Explain features of Linux.
- Q.4(A) Answer the following Question (04)
1. Full form of GNOME.
 2. Explain GNOME panel Properties (any two)
 3. Full form of KDE.
 4. Explain KDE Panel Properties (any two).
- Q.4(B) Answer the following Question (Any One) (02)
1. Write a short note on Window Manager?
 2. How to configure the xorg.conf file?
- Q.4(C) Answer the following Question (Any One) (03)
1. How window manager works on GNOME desktop environment?
 2. How window manager works on KDE desktop environment?
- Q.4(D) Answer the following Question (Any One) (05)
1. Explain GNOME desktop.
 2. Explain KDE Panel.
- Q.5(A) Answer the following Question (04)
1. Give full form of DNS.
 2. Give full form of TLD.
 3. Give full form of TLS.
 4. Give full form of FTP.
- Q.5(B) Answer the following Question (Any One) (02)
1. Explain Samba Server.
 2. Explain LDAP services.
- Q.5(C) Answer the following Question (Any One) (03)
1. Explain Apache Service.
 2. Explain FTP Service.
- Q.5(D) Answer the following questions (Any One) (05)
1. Explain Wine Software.
 2. How to create and manage Linux user account and password?
