

647510

BCA4oscC0410

Seat No: _____

B.C.A Semester - 4 (CBCS) Examination

March/April- 2019

**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 questions. (04)**
- (1) Full form of PCB.
 - (2) What is paging?
 - (3) Full form of FCFS.
 - (4) What is Process table?
- (B) Answer the following questions (Any one) (02)**
- (1) Explain multiprogramming OS.
 - (2) Difference between preemptive and non-preemptive.
- (C) Answer the following questions (Any one) (03)**
- (1) Explain Real Time Operating System.
 - (2) Explain noncontiguous memory allocation.
- (D) Answer the following questions (Any one) (05)**
- (1) Explain Features of OS.
 - (2) Explain Process Life Cycle.
- Q-2 (A) Answer the following questions (04)**
- (1) Full form of KSH.
 - (2) Define command pwd.
 - (3) Define command rm.
 - (4) Define command cp.
- (B) Answer the following questions (Any one) (02)**
- (1) Define Kernal.
 - (2) List out Types of Shell.
- (C) Answer the following questions (Any one) (03)**
- (1) Define Commands head, tail.
 - (2) Explain file and directory permission in Unix.
- (D) Answer the following questions (Any one) (05)**
- (1) Explain Shell.
 - (2) Explain Features of Unix.
- Q-3 (A) Answer the following questions (04)**
- (1) Full form of GUI..
 - (2) Full form of GPL.
 - (3) Full form of LILO.
 - (4) Full form of CUI.
- (B) Answer the following questions (Any one) (02)**
- (1) Explain while loop with its syntax.
 - (2) Explain until loop with its syntax.

- (C) Answer the following questions (Any one)** (03)
- (1) Explain break, continue statement with its syntax.
 - (2) Explain ladder if statement with its syntax.
- (D) Answer the following questions (Any one)** (05)
- (1) Write a shell script to check whether the entered number is palindrome or not.
 - (2) Write a shell script to check whether the entered number is prime or not.
- Q-4 (A) Answer the following questions** (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).
- (B) Answer the following questions (Any one)** (02)
- (1) How to configure the xorg.conf file?
 - (2) What is purpose of Window Manager?
- (C) Answer the following questions (Any one)** (03)
- (1) How Window manager works on GNOME desktop environment?
 - (2) How Window manager works on KDE desktop environment?
- (D) Answer the following questions (Any one)** (05)
- (1) Explain Gnome desktop.
 - (2) Explain KDE panel.
- Q-5 (A) Answer the following questions** (04)
- (1) Full form of TLS.
 - (2) Full form of FTP.
 - (3) Full form of NIS.
 - (4) Full form of TLD.
- (B) Answer the following questions (Any one)** (02)
- (1) What is WINE?
 - (2) Explain LDAP services.
- (C) Answer the following questions (Any one)** (03)
- (1) Explain Samba server.
 - (2) Explain Apache server.
- (D) Answer the following questions (Any one)** (05)
- (1) How to create and manage Linux user account and password?
 - (1) Explain WINE software.
