

647510

BIT4oscC0410

Seat No: _____

B.Sc.(IT) 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.

-
- Q-1 (A) Answer the following questions. (04)**
- (1) SJF stands for.
 - (2) RTOS stands for.
 - (3) PCB stands for.
 - (4) CUI stands for.
- (B) Attempt any one Question. (02)**
- (1) Define Turnaround time.
 - (2) Explain FCFS Scheduling.
- (C) Attempt any one Question. (03)**
- (1) Explain Round Robin Scheduling.
 - (2) Explain Three States process diagram.
- (D) Attempt any one Question in detail. (05)**
- (1) Write a sort not on Non – Contiguous Memory.
 - (2) Explain function of OS.
- Q-2 (A) Answer the following questions (04)**
- (1) In UNIX OS _____ is a main Directory.
 - (2) VI Stands for.
 - (3) Which command is used to set/removed permission for file & directory in UNIX OS?
 - (4) What is Kernel?
- (B) Attempt any one Question. (02)**
- (1) Explain UNIX OS Architecture.
 - (2) Explain Login Commands.
- (C) Attempt any one Question. (03)**
- (1) Explain Types of Shell.
 - (2) Explain Features of UNIX.
- (D) Attempt any one Question in detail. (05)**
- (1) What is file? Explain ordinary File and directory file and device file.
 - (2) Explain Redirection and Piping command.
- Q-3 (A) Answer the following questions (04)**
- (1) GPL stands for?
 - (2) Which Symbol is use for put comments in shell script?
 - (3) Founder of Linux?
 - (4) Extension of shell-script file is?
- (B) Attempt any one Question. (02)**
- (1) Explain read command.
 - (2) Explain break and continue keyword.

- (C) Attempt any one Question. (03)**
(1) Explain for loop with example.
(2) Explain case statement with example.
- (D) Attempt any one Question in detail. (05)**
(1) Explain Features of Linux OS.
(2) Write a Shell script to found factorial number.
- Q-4 (A) Answer the following questions (04)**
(1) BIOS stand for.
(2) CDE stand for.
(3) GNOME stands for.
(4) XDM stand for.
- (B) Attempt any one Question. (02)**
(1) Explain KDE Desktop.
(2) Explain Xfce Desktop.
- (C) Attempt any one Question. (03)**
(1) What is X-Windows?
(2) Explain GNOME Desktop.
- (D) Attempt any one Question in detail. (05)**
(1) How to Configure Xorg.conf file.
(2) What is Window Manager? Explain types of window manager.
- Q-5 (A) Answer the following questions (04)**
(1) LDAP stands for.
(2) FTP stands for.
(3) WINE stands for.
(4) Use of SUDO?
- (B) Attempt any one Question. (02)**
(1) Explain FTP Server?
(2) Explain Firewall.
- (C) Attempt any one Question. (03)**
(1) Explain Apache Server.
(2) Explain Samba Server.
- (D) Attempt any one Question in detail. (05)**
(1) What is WINE? How to configure WINE in Linux Environment.
(2) How to create and manage Linux user account and password.
