



NAY-003-003410 Seat No. _____

Second Year B. C. A. (Sem. IV) (CBCS) Examination

March / April - 2017

**CC - 22 : Operating System Concepts With
Unix / Linux**

Faculty Code : 003

Subject Code : 003410

Time : $2\frac{1}{2}$ Hours]

[Total Marks : 70

1 Answer the short answer question : 20

- (1) Who act as an inter-mediatory between the user and the underlying hardware ?
- (2) How long a file name in Linux ?
- (3) Round Robin algorithm is a _____ algorithm
- (4) Who is the developer of C shell ?
- (5) What is the initial state for a job ?
- (6) A process is _____
- (7) What is the another name of primary memory ?
- (8) Who is command language interpreter ?
- (9) What is the name for the core part of operating system software ?
- (10) Which command is used to search a pattern ?

- (11) Which command lists the names of all users logged onto the system ?
- (12) Which command is used to create a new file ?
- (13) Which command is alternative to echo command ?
- (14) What is the first symbol in the bash script file ?
- (15) What is the full form of LILO ?
- (16) What is the full form of BIOS?
- (17) Who is the founder of KDE?
- (18) XFACE is a _____ weight desktop environment ?
- (19) What is the full form of DNS ?
- (20) Which server is used to transfer a file over a network ?

2 (a) Answer the following questions : (any **three**) **6**

- (1) Define Operating System
- (2) Define Turnaround Time
- (3) Define Paging
- (4) What is Process ?
- (5) Define Pre-emptive Scheduling
- (6) Define Throughput.

(b) Answer the following questions : (any **three**) **9**

- (1) Explain any three functions of operating systems
- (2) Explain Multiprogramming operating system
- (3) Explain the advantages of Time sharing operating systems

- (4) List out any few advantages of scheduling algorithms
 - (5) Explain segmentation
 - (6) Explain file structure of Unix operating system
- (c) Answer the following questions : (any **two**) **10**
- (1) Explain Batch operating system
 - (2) Explain FCFS scheduling algorithm
 - (3) Explain process states transition diagram
 - (4) Explain the concept of redirection commands with example
 - (5) Explain various modes of VI editor
- 3** (a) Answer the following questions : (any **three**) **6**
- (1) Define Shell
 - (2) Define Kernal
 - (3) Define System Variable
 - (4) Define Open Source
 - (5) Define Booting
 - (6) Define GNU
- (b) Answer the following questions : (any **three**) **9**
- (1) List out any few features of Linux OS
 - (2) Explain while loop with example
 - (3) Explain GRUB
 - (4) Write a short note on Linux Booting

(5) Explain system variables

(6) Explain any three.

(a) wc

(b) chmod

(c) cp

(d) mv

(c) Answer the following questions : (any **two**) **10**

(1) Write a short note on Unix Architecture

(2) What is window manager ? Explain types of window manager

(3) Explain case statement with example

(4) Write a shell script to check whether the number is Armstrong or not

(5) What is apache server ? Explain the purpose of the apache server ?
