

Total No. of Questions : 5]

SEAT No. : 

P-5782

[Total No. of Pages : 2

[6120]-104

F.Y. M.C.A. (Management)

IT-14 : OPERATING SYSTEM CONCEPTS

(2020 Pattern) (Semester - I)



Time : 2½ Hours]

[Max. Marks : 50

Instructions to the candidates:

- 1) All questions are compulsory.
- 2) Draw the diagram whenever necessary.

Q1) a) What is CPU states? Explain different types CPU states. [5]

b) Explain physical and logical address space. [5]

OR

c) Explain Page Replacement algorithm in brief. [5]

d) What are semaphores? Explain types of semaphores. [5]

Q2) a) Explain distributed operating system. [5]

b) Explain different features of mobile operating system. [5]

OR

c) Explain No Remote Memory Access (NORMA). [5]

d) Explain installation steps in windows operating system. [5]

Q3) a) What is RTOS. Explain applications of RTOS. [5]

b) Explain Android operating system features. [5]

OR

c) Explain the features embeded operating system. [5]

P.T.O.

- d) Explain below Linux command with example. [5]
- i) Rmdir
  - ii) chmod
  - iii) man
  - iv) cat
  - v) ps

- Q4) a) Write shell script to calculate simple interest. [5]  
b) Explain the features of Linux operating system. [5]

OR

- c) Write shell script to check the number is prime. [5]  
d) Explain different control panel settings of windows operating systems. [5]

- Q5) Write short notes on any two : [10]

- a) Fragmentation
- b) Process Hierarchies
- c) Asymmetric Multi-processors
- d) User Management in Ubuntu

