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RF-1826

First Year B. C. A. (Sem. II) Examination

April / May – 2010

P-203 : Operating System - I

(Old Course)

Time : **3** Hours] [Total Marks : **70**

Instructions :

(1)

નીચે દર્શાવેલ ☛ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fillup strictly the details of ☛ signs on your answer book.

Name of the Examination :

☛ F.Y. B.C.A. (SEM. 2)

Name of the Subject :

☛ P-203 : OPERATING SYSTEM - 1 (OLD)

☛ Subject Code No. : 1 8 2 6 ☛ Section No. (1, 2,.....) : NIL

Seat No. :

Student's Signature

(2) Figure on the right indicate marks.
(3) Give example wherever required.
(4) Do not interchange option.

1 Answer the following: **10**

(1) Define multiprogramming

(2) What is the difference between GUI and CUI?

(3) What is FIFO file?

(4) List different shells of Unix

(5) What is symmetric clustering?

(6) Define PCB? Which content are store in it?

(7) What is POST?

(8) What is virtual memory?

(9) What is device driver?

(10) What is goal of operating system?

2 (a) Explain operating system as Resource Manager. **7**

(b) Explain directory structure in detail. **8**

OR

2 (a) Explain time sharing system in detail. Give example in which it is used. **7**

(b) Discuss the advantages and disadvantages of single contiguous memory. **8**

(c) Explain different process state. **5**

3 Answer any two: **16**

(a) What is the difference between contiguous and non-contiguous memory management scheme? Which scheme protects from fragmentation? How?

(b) Explain following commands with example.

(1) Chmod

(2) comm

(3) IS

(4) touch

(5) label

(6) path

(7) prompt

(8) dir

(c) Explain different types of files in unix.

4 Write a short note (any-4) **24**

(1) Functions of storage management

(2) Services of OS

(3) Real time system

(4) Features of Unix

(5) Evolution of O.S.
