Sept/Oct 2007

DJ-1843

First Year B. C. A. (Sem. II) Examination
September / October – 2007
Operating System : 203
(New Course)

Time : **3** Hours]

[Total Marks : **70**

Instructions :

(1)

नीचे દર્શાવેલ ☞ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.	Seat No.
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 :

☞ **Operating System : 203 (New)**

☞ Subject Code No. : | 1 | 8 | 4 | 3 | ☞ Section No. (1, 2,.....) : | **Nil**

Student's Signature

(2) Ques. 1 is **compulsory**.

1 Answer in short : 10

   (1) What is primary goal of an OS?

   (2) What is the use of reallocation and limit registers?

   (3) What do you mean by multiprogramming?

   (4) What is JCL?

   (5) Define response time.

   (6) What do you mean by swapping?

   (7) What is segmentation?

   (8) What is MONITOR?

   (9) What is the purpose of boot sector in disk ?

   (10) List out directories of UNIX.

2 (a) Explain 5 states of process model and process state transition. 8

   (b) Discuss functions of process management and storage management. 7

OR

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[Contd...

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2 (a) Explain PCB in detail. 8

(b) Explain internal and external fragmentation. Give the best solution to external fragmentation. 7

3 (a) Discuss different scheduling criteria for process scheduling and explain long term scheduling and short term scheduling. 8

(b) Discuss features of UNIX. 7

OR

3 (a) Write a note on config.sys file. Explain any three command of config.sys. 8

(b) Explain different operations that OS can perform on file. 7

4 Do as directed : 10

(1) Explain *attrib* command.

(2) Explain *rm* command with options.

(3) In Unix which command is used to compare files?

(4) Which commands are used to create directory in DOS and UNIX?

(5) In UNIX which command is used to see system date?

5 Write short notes : (any **four**) 20

(1) Simple batch system

(2) Virtual memory

(3) BIOS

(4) POST

(5) Time sharing system

(6) Real time system.