



BZ-0780

Seat No. _____

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

April / May – 2006

203 : Operating System

(New Course)

Time : Hours] _____

[Total Marks : 70

Instructions :

(1)

નીચે દર્શાવેલ નિસાહોનું ચિત્રણ ઉત્તરવહી પર અવશ્ય લખવું.
Fillup strictly the details of signs on your answer book.

Name of the Examination :
F.Y. B.C.A. (Sem. II)

Name of the Subject :
203 : Operating System

Subject Code No. : 0 7 8 0 Section No. (1, 2,.....) Nil

Seat No. :

Student's Signature _____

- (2) Figure to the right indicates full marks.
- (3) Q-1 is compulsory.
- (4) Mention choices clearly. Do not intermix options.

1 Answer in short :

10

- (a) What is POST?
- (b) What is the purpose of ntlldr?
- (c) Define response time.
- (d) What is the purpose of ANALYSIS?
- (e) What is thread?
- (f) What do you mean by multitasking? Give names of OS having this feature.
- (g) What is deadlock? Explain in brief.
- (h) What is job scheduling?
- (i) What is device driver?
- (j) What do you mean by block device?

- 2 (a) File management functions of OS. 26
- (b) Explain real time system in detail. 23

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OR

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[Contd...

- 2 (a) Explain evolution of OS. 5
(b) Discuss time sharing system. 12

- 3 (a) Explain Internal and external fragmentation. Give the best-suited solution to the external fragmentation.
(b) Explain PCB in detail. 5

OR

- 3 (a) Discuss single and multiple partition memory allocation methods.
(b) Discuss different scheduling criteria for process scheduling. Explain long term and short term scheduling.

- 4 (a) Explain the following : (any two) 10
(i) Features of Windows 2000
(ii) IPX/SPX
(iii) Trust relationship.

- (b) Give answer to the following questions in brief : 5
(any five)
(i) touch command
(ii) Differentiate COPY and NCOPY
(iii) rm command
(iv) Default directories of Novell Netware.
(v) Map command
(vi) Attrib command

- 5 Write short notes : (any three) 15

- (a) BIOS 76
(b) FAT 9
(c) TSR
(d) Config.sys. 85