

MH-504

Seat No. \_\_\_\_\_

First Year B. C. A. Examination

March/April - 2004

Operating Systems - 203

(New Course)

Time : Hours]

[Total Marks : 70

Instruction : Figures to the right indicate full marks.

1. Answer the following questions :

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- (1) What is the difference between maskable and non-maskable interrupt ?
- (2) What is an operating system ?
- (3) What is API ? What is its importance ?
- (4) What is JCL ? Why it is used ?
- (5) Explain CHMOD command.
- (6) Describe the term Kernel.
- (7) What do you mean by swapping ?
- (8) What do you mean by IVT ?
- (9) Define waiting time.
- (10) What is the role of Dot profile file in unix ?

2 (a) Explain the history of OS. 7

(b) Discuss the File management. 8

OR

2 (a) What do you mean by process ? Explain five state process in detail. 7

(b) Explain Real time operating system in detail. 8

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- 3 (a) Discuss the features of windows NT. 7  
(b) Explain FAT and NTFS in detail. 8  
OR  
3 (a) What is the importance of the boot sector? Also explain how FAT work? 7  
(b) Explain any two of following : 8  
(i) ATTRIB  
(ii) XCOPY  
(iii) DIR.  
4 Do as directed : (any five) 10  
(i) Explain who command  
(ii) Explain with which command one can restore the file once deleted in Novell Netware.  
(iii) Explain MAP command  
(iv) Explain kill command  
(v) Explain rm command with its option  
(vi) Explain DATE Command.  
5 Write short notes : (any five) 20  
(1) Simple Batch System  
(2) TSR  
(3) Explain Swapping  
(4) System Call  
(5) Ethernet  
(6) Distributed System