



JA-3718

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

March/April - 2013

Introduction to Operating Systems : Paper - 203

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दृष्टावेक निशा-नीवाणी विगतो उत्तरवही पर अवश्य लपवी.
Fillup strictly the details of signs on your answer book.

Name of the Examination :
FIRST YEAR B. C. A. (SEM. 2)

Name of the Subject :
INTRODUCTION TO OPERATING SYSTEMS - P. - 203

Subject Code No. : 3 7 1 8 Section No. (1, 2,.....) : NIL

Seat No. : [] [] [] [] [] [] [] []

Student's Signature

- (2) All questions are compulsory.
(3) Do not interchange sub questions.

- 1 Answer the following questions in brief : 14
- (a) Define event viewer.
(b) What do you mean by block device ?
(c) Explain MMC.
(d) How to set environment variable on windows ?
(e) What do you mean by multiprocessor system ?
(f) What is a file management system ?
(g) Define absolute and relative path.

- 2 (a) Explain the directory structure in detail. 7
(b) Explain batch operating system with its drawback and its solution. 7

OR

- 2 (a) Write a note on Real time Operating system. 7
(b) Explain file protection mechanism. 7

- 3 Answer any two : 14
- (a) Explain elements of an operating system.
(b) Explain any one computer management tool.
(c) Discuss direct file access method in detail.

- 4 (a) Explain various console modes of computer management window. 7
(b) Explain security policy options of windows. 7

OR

- (b) Discuss linked allocation method with its advantage and disadvantage. 7
- 5 (a) Suppose a disk drive has 200 cylinders numbered from 0 to 199. Drive is currently served the request at cylinder no 35. The queue for pending request in FIFO order is as follow :
150, 125, 12, 180, 73, 5, 120, 158, 190, 50, 47, 23
Show the disk scheduling for the following algorithm.
FCFS
LOOK
SCAN
SSTF 7
(b) Discuss disk management in detail. 7
- OR
- (b) Explain DMA in detail. 7