



AC-3718

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

April / May - 2015

Paper-203 : Introduction to Operating System

Time : Hours]

[Total Marks :

Instructions :

(1)

नीचे दशावेक निशानीवाणी विगतो उत्तरवडी पर अवश्य कपवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="text" value="FIRST YEAR B. C. A. (SEM. II)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="PAPER- 203: INTRODUCTION TO OPERATING SYSTEM"/>	<input type="text"/>
Subject Code No. : <input type="text" value="3"/> <input type="text" value="7"/> <input type="text" value="1"/> <input type="text" value="8"/>	<input type="text" value="Student's Signature"/>
Section No. (1, 2,.....): <input type="text" value="Nil"/>	

(2) All questions are compulsory.

(3) Do not interchange sub questions.

1 Answer the following questions

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(1) What do you mean by multiprocessing system?

(2) Explain the purpose of distributed Operating System.

(3) What are attributes of file?

(4) Define Absolute and relative path.

(5) Does contiguous allocation suffers from external fragmentation? Justify your answer.

(6) What is bit vector? How is it useful to manage free-space in disk?

(7) How to set environment variable in windows?

2 (a) Discuss different services provided by OS.

7

(b) Discuss acyclic graph directories in detail.

7

OR

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[Contd...

- 2 (a) Define spooling. Explain its working with the necessary diagram. 7
- (b) Explain Relative access method in detail. 7
- 3 (a) Discuss two-level directory structure in detail. Also discuss advantages of two-level directory structure over single-level. 8
- (b) Write a note on batch operating system. 7
- OR**
- (b) Explain multi user operating system in detail. 7
- 4 (a) Discuss different configuration settings provided by system configuration utility in windows. 8
- (b) Write a note on Event Viewer. 7
- OR**
- (b) Discuss any two MMC snap-ins provided by computer Management. 7
- 5 (a) suppose a disk drive has 300 cylinders numbered form 0 to 299. The drive has currently served the request at cylinder number 87 and the previous request was at cylinder 82. the queue for pending request in FIFO order is as follow : 91,123,35,186,71,14,19,58,290,189,56,7,299 8
- Show the disk scheduling for the following algorithm.
- (i) FCFS (ii) LOOK
- (iii) SCAN (iv) SSTF
- (b) Explain device driver. 4
- OR**
- (b) Discuss different user rights provided by windows. 4