



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

(2) All questions are compulsory.

(3) Do not interchange sub questions.

1 Answer the following questions 14

- (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**

AC-3718]

1

[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