



G-3718

First Year B. C. A. (Sem. II) Examination  
September/October – 2014  
203 : Introduction To Operating System

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

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| नीचे दशांशक निशानोंवाणी विगत उत्तरवली पर अवश्य कर्तवी.<br>Fillup strictly the details of signs on your answer book.  | Seat No. :<br><input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> |
| Name of the Examination<br>F. Y. B. C. A. (SEM. 2)   | Student's Signature   |
| Name of the Subject :<br>203 : INTRODUCTION TO OPERATING SYSTEM  |   |
| 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"/> |   |

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

- Q:1 Answer the following in brief [14]  
(a) List out the limitations of Single-Level Directory Structure.  
(b) What is a Software restriction policy?  
(c) Explain different file type.  
(d) Explain the purpose of distributed system.  
(e) Why we need device drivers in system?  
(f) Define seek time and rotational delay.  
(g) What is WMI control?
- Q:2(a) Explain file protection mechanism. [7]  
(b) Write a note on different types of naming conversion of domain. [7]  
OR  
(a) Explain file access method in detail. [7]  
(b) Explain system configuration utility of windows. [7]
- Q:3(a) Define operating system with its goal. Explain resource sharing methods of OS. [8]  
(b) Explain batch operating system with its drawback and solution. [7]  
OR  
(b) Discuss evolution of an operating system. [7]
- Q:4(a) Explain operation perform on file. [8]  
(b) Explain elements of an operating system. [7]  
OR  
(b) Discuss linked allocation method with its advantage and disadvantage. [7]

Q:5(a) Suppose a disk drive has 300 cylinders numbered from 0 to 299. [8]

The Drive is currently served the request at cylinder no 93. The queue for pending request in FIFO order is as follow:

90, 122, 33, 185, 70, 15, 12, 58, 290, 186, 52, 6, 299

Show the disk scheduling for the following algorithm.

(i) FCFS (ii) LOOK (iii) SCAN (iv) SSTF

(b) Explain free space management.

OR

(b) Write a note on Event Viewer.

[4]

[4]