

MAR/APR 2009



H-1823

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

March / April – 2009

P-203 : Operating System - I

Time : 3 Hours

[Total Marks : 70

Instructions :

(1)

नीचे दशांशिक विज्ञान विभाग उत्तरपत्र पर अवश्य ध्यान दें।
Fillup strictly the details of signs on your answer book.

Name of the Examination :
F.Y. B.C.A. (SEM. 2)

Name of the Subject :
P-203 : OPERATING SYSTEM - 1

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

Seat No. :

2 0 0 5 6 5

Student's Signature

- (2) Question No. 1 and Q.4 are compulsory.
(3) DO NOT INTERCHANGE OPTION.
(4) Figures on right side indicate marks.

1 Answer in short :

10

- (1) Give the name of user profile in unix.
(2) What do you mean by multitasking ? Give the name of operating system having this feature.
(3) What is deadlock? Explain in brief.
(4) What is purpose of thread?
(5) What do you mean by EXECUTION Time ? ? (2) 2 1 8 1 4
(6) Define BIOS and give its importance. *Process*
(7) What is Post?
(8) What is primary goal of O.S.?
(9) What is JCL and why it is used?
(10) Define Segmentation.

2

- (a) Discuss advantages and disadvantages of contiguous memory allocation. 8
(b) Discuss features of UNIX. 7

OR

MAR/APR 2009

- 2 (a) What do you mean by virtual memory? When does page fault occurs? Explain in detail. 8
- (b) Explain different directories of UNIX. 7

3 Answer any three: 15

- (a) Discuss pros and cons of single and multiple partition memory allocation. 1-2
- (b) Explain PCB in detail.
- (c) Differentiate between single user and multiuser O.S. 1-2
- (d) Explain Real Time System. 2

4 Answer the following in brief: 10

- (a) Explain be command.
- (b) Which command of unix is used to rename file? Give example.
- (c) Which commands are used to create directory in DOS and UNIX?
- (d) Explain chown command with example.
- (e) Explain date command of Unix.

5 Write short notes : (any five) 20

- (1) Paging memory scheme
- (2) History of Unix
- (3) Storage management
- (4) Device Driver
- (5) BIOS
- (6) Trust Relationship
- (7) Process Scheduler.