

Oct/Nov 2003

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Seat No. _____

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

October / November - 2003

Operating System

Time : 3 Hours]

[Total Marks : 70

Instruction : Figures to the right indicate full marks.

1. Answer the following :

10

- (1) What is the primary goal of Operating System ?
- (2) What do you mean by kernel ?
- (3) Use of PURGE command.
- (4) What is the use of NTLDR ?
- (5) What do you mean by swapping ?
- (6) What information is stored in program counter block of PCB ?
- (7) What is scheduling ?
- (8) Which are the default directories of Novell Netware.
- (9) What do you mean by execution time ?
- (10) What do you mean by JVT ?

- 2/46 (a) Explain process control block in detail. 7
- (b) Discuss the Operating System as Resource manager. 8

OR

- 2/8 (a) Explain process state in detail. 7
- (b) Explain time-sharing system and give example in which it is used. 8

- 3 (a) What are the functions of Storage Management ? 8
- Explain in detail.

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(b) Explain different operations, operating system can perform on a file. 7

OR

3 ⁴⁵ (a) What do you mean by Virtual memory ? In case of memory management when does a page fault 8

(b) Discuss the single partition memory allocation in detail. 7

4 Do as directed : (any five) 10

(1) Explain how one can change file attributes in UNIX.

(2) Explain the command to search drive mapping of Novell Netware.

(3) Explain touch commands.

(4) How one can set printer as Network printer in Novell Netware.

(5) Explain PS commands.

(6) Explain SALVAGE command.

(7) Explain FLAG command.

5 Write short notes : (any four) 20

(1) POST ²⁰

(2) Inter process communication

(3) IPX/SPX

(4) Segmentation ^{us}

(5) Device drivers

(6) Dead lock.