BCA/D-18

OPERATING SYSTEM-I

BCA-352

Compulsory Question

1.(a)Define Real Time Operating System.

 (b)What do you mean by Spooling?

(c)Differentiate between a Program and a process.

(d)What is a thread?

(e)Define the term 'swapping'.

(f)What do you understand by the term 'Deadlock'?

(g)What do you mean by file encryption?

(h)Briefly introduce computer virus?

UNIT-I

2.(a)What do you mean by an operating system?Give some examples of operating system.

(b)Explain operating system as a manager of resources.

3.Explain multiprocessing operating system in detail.

UNIT-II

4.(a)Write a note on process control block.

(b)Discuss the various operating on processes.

5.Explain multi-level feedback queue scheduling.

UNIT-III

6.(a)What do you mean by safe & unsafe states regarding deadlocks?

(b)Write down the bankers algorithm.

7.Explain the concept of paging in detail.

UNIT-IV

8.Discuss demand paging in detail.

9.Discuss the various file protection techniques.