

Half Yearly Examination 2020-21

B.C.A. III Year

Operating System

BCA - 303

Time: 3 Hours

Max. Marks = 100

Min. Marks = 40

Note:- Attempt any two questions from each unit . Each question carries equal marks.

UNIT-I

1. Write a note on batch processing and real time Operating Systems.
2. Discuss the concept of multiprogramming and multiprocessor OS.
3. Write a note on major responsibilities of OS.

UNIT-II

1. Write a note on preemptive and non-preemptive SJF algorithms.
2. Discuss the concept of round robin scheme with example.
3. Explain master-slave scheduling.

UNIT-III

1. Write a note on paging.
2. Discuss the concept of virtual memory.
3. Write a note on page replacement with example.

UNIT-IV

1. Write a note on symbolic and basic file system.
2. Discuss the concept of typed based and disk based systems.
3. Write a note on linked and indexed allocations.

UNIT-V

1. Write a note on deadlock prevention.
2. Discuss banker's algorithm in brief.
3. Write a note on combined approach of deadlock handling.