

Half Yearly Examination 2020-21

B.C.A. II Year

Operating Systems with Linux

BCA - 205

Time: 3 Hours

Max. Marks = 80

Min. Marks = 27

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

UNIT-I

1. What do you mean by operating systems? Write functions of OS.
2. Discuss batch processing and multiprogramming systems.
3. Write a note on time sharing and real time systems.

UNIT-II

1. Write a note on Process Control Block.
2. Write a note on multilevel queues and multilevel feedback queues.
3. Explain the concept of dispatcher.

UNIT-III

1. Write a note on partitioning and fragmentation.
2. Explain paging in brief.
3. Explain the concept of swapping.

UNIT-IV

1. Write a brief note on UNIX system structure.
2. Write a brief note on file system of UNIX.
3. Discuss the concept of vi editor. Give some glimpses.

UNIT-V

1. Write a note on shell variables.
2. Discuss the concept of loops in shell programming.
3. Write a shell script to find greater of two numbers.