

19/07/2021

V Semester.

BSC/551/21J

FACULTY OF SCIENCE

B.Sc. (III YEAR) V-SEMESTER (CBCS R 16) EXAMINATION, JULY (M) 2021

OPERATING SYSTEMS

TIME: 2 Hours]

[MAX. MARKS: 60

ANSWER ANY FOUR OF THE FOLLOWING (4X15=60 MARKS)

- 1 Describe the architecture of operating system
- 2 Explain the classification of operating systems
- 3 Explain process synchronization with producer and consumer problem
- 4 How Inter Process Communication (IPC) is performed in multiprogramming
- 5 Discuss the need of multithreading in operating systems
- 6 What are the necessary conditions to detect a deadlock? Explain the mechanisms to prevent a deadlock
- 7 Explain the concept of paging in memory management with neat illustrations
- 8 Describe deadlock detection algorithm
