

UG-379

BSCS-16

**B.Sc. DEGREE EXAMINATION –
DECEMBER 2019.**

Third Year

Computer Science

INTRODUCTION TO OPERATING SYSTEM

Time : 3 hours

Maximum marks : 75

SECTION A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. Give short notes on Operating system?
2. Explain the functions of race condition?
3. List the various resources of dead lock.
4. Mention the working of Mutual exclusion in inter-process communication?
5. State the characteristic of files briefly?

6. Sketch the structure of directory with its key points?
7. Write a note on critical sections?

SECTION B — ($5 \times 10 = 50$ marks)

Answer any FIVE questions.

8. Discuss in detail about system calls.
 9. Explain the Round-robin algorithm with example.
 10. Describe the working of shortest job first algorithm
 11. Illustrate how the deadlock be detected and recovered.
 12. Portray the steps involved in deadlock prevention.
 13. Pen down the multiprogramming without swapping or paging?
 14. Explain about disk space management.
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