

NOVEMBER/DECEMBER 2019

**BSSC55 — OPERATING SYSTEM**

Time : Three hours

Maximum : 75 marks

SECTION A — ( $10 \times 2 = 20$  marks)

Answer ALL questions.

1. What is Operating System?
2. What is Multiprogramming?
3. Write about the FCFS Scheduling.
4. What is called Round-Robin Scheduling?
5. Define Memory management.
6. Define TLB.
7. What is Spooling?
8. What is file systems?
9. Define Paging.
10. What is Allocation methods?





SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) What are the objectives of Operating systems?

Or

- (b) Explain the various Process States.

12. (a) Write a bankers Algorithms for deadlock Avoidance and explain it.

Or

- (b) What are the four necessary conditions of deadlock Prevention?

13. (a) Explain about the relocation in memory management.

Or

- (b) What is Swapping? Explain.

14. (a) Explain the function of I/O Scheduler.

Or

- (b) Discuss about the Multiprocessing Scheduling.

15. (a) Explain about the Unix file system hierarchy.

Or

- (b) What are the various types of file directories?

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain the classification of Operating systems.

17. Write a detailed about the deadlock avoidance with neat diagram and Procedure.

18. Write about the basic concepts of Memory management.

19. Discuss about the demand paged memory management.

20. Explain about the Disk Scheduling Algorithms.