2. What is MMU?

- 3. What is CPU scheduling?
- 4. What is the problem with priority scheduling?

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- 5. Define Turnaround time.
- 6. State dispatch latency.
- 7. What is race condition?
- 8. Explain the working of deadlock avoidance mechanism.
- 9. What is entry section in critical section problem?
- 10. Narrate the significance of PCB.
- 11. What is batch operating system?

SECTION - C

Answer any four of the following questions.

 $(4 \times 3 = 12)$

- 12. Briefly explain Round Robin Scheduling.
- 13. What are the tasks of dispatcher?
- 14. Narrate various criteria to be considered in CPU scheduling.
- 15. Differentiate pre-emption and non-preemption.
- 16. Which are the methods for handling deadlock?
- 17. Write about the various schedulers used in OS.

SECTION - D

Answer an essay on **any two** of the following questions.

 $(2 \times 5 = 10)$

- 18. Compare and differentiate SCAN Scheduling and C-SCAN Scheduling.
- 19. Discuss various services in Basic page replacement policy.
- 20. With the help of a diagram, explain PCB.
- 21. Write an essay on the functions and services provided by the operating system.