

- 7 a. Considering four processes of different priorities in the ready queue, and a fifth process of highest priority entering the queue later (after the second scheduled job is completed by 75%), discuss priority based scheduling for
- i) Non-preemptive policy ii) Preemptive policy. (08 Marks)
- b. Briefly explain the requirements that a good scheduling algorithm must satisfy. (06 Marks)
- c. What is a memory mapped object (MMO)? Discuss its application in task communication. (06 Marks)
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- 8 a. Explain the problem of priority inversion and discuss any one remedial technique. (10 Marks)
- b. Define a device driver and list its major responsibilities. (05 Marks)
- c. Write a note on In-Circuit Emulator (ICE) based firmware debugging. (05 Marks)

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