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MAR_APR 2025 SUMMER EXAMINATION**1156 Master of Technology****Sub. Name: Advanced Operating Systems****Sub. Code: 72693****Day and Date: JUNE ,11-06-2025****Total Marks: 70****Time: 10:30 AM To 01:30 PM**

Instructions: 1. All questions are compulsory
 2. Assume suitable data wherever necessary and mention it boldly
 3. Figures to the right indicate full marks

- Q1) Attempt Any TWO of the following [14]**
- a. Explain Memory and addressing [7]
 - b. Explain system call in operating system with example [7]
 - c. Explain Multiprocessor Operating System [7]
- Q2) Attempt Any TWO of the following [14]**
- a. Explain concept of virtual computers [7]
 - b. Explain communication between process [7]
 - c. Explain Implementation of mutual exclusion. [7]
- Q3) Attempt Any TWO of the following [14]**
- a. Explain Race condition & atomic actions. [7]
 - b. Explain Everyday Scheduling in detail. [7]
 - c. Explain different types of disk devices used for storage of data in computer system. [7]
- Q4) Attempt Any TWO of the following [14]**
- a. Explain IPC pattern Mutual Exclusion. [7]
 - b. Explain Message passing variation in detail. [7]
 - c. Explain different disk device access strategies. [7]
- Q5) Attempt Any TWO of the following [14]**

- a. Explain deadlock in operating system. [7]
- b. Explain two phase locking. [7]
- c. Explain SCSI interface. [7]

End Of Question Paper

Important Note for Chief Exam Officer / SRPD Coordinator / Sr Supervisor/ Student -

This Question Paper may be distributed for following Subjects as common code.

सदरची प्रश्नपत्रिका खालील विषयांकरिता वितरित करता येईल.

- 1] (1156) Master of Technology (CBCS) (72693) Advanced Operating Systems Part 1 SEM 2