

Operating Systems-246

Sem-IV

Time- 3hrs

M.M.-30

Note: The candidates are required to attempt two questions each from Section A & B Section C will be compulsory

SECTION A

- Q1. Discuss the basic services of Operating system in brief. (4)
- Q2. Explain timesharing and Multiprogramming in short. (4)
- Q3. Explain any **one** CPU scheduling technique with example. (4)
- Q4. What are the necessary conditions for deadlock? (4)

SECTION B

- Q5. Explain pagination with example. (4)
- Q6. Explain any **one** page replacement algorithm. (4)
- Q7. Compare and contrast linked and contiguous file allocation methods. (4)
- Q8. Compare and contrast SCAN and F-SCAN. (4)

SECTION C

- Q9. i) Define Operating System. (2)
- ii) Explain virtual memory in short. (2)
- iii) Explain deadlock in brief. (2)
- iv) Explain the process of swapping. (2)
- v) What is thrashing? (2)
- vi) Name any two operating systems. (2)
- vii) Name various free space management techniques in file. (2)