B.Tech. DEGREE EXAMINATION, MAY - 2015

(Examination at the end of Third Year)

COMPUTER SCIENCE & IT

Paper - I : Operating Systems

Time : 3 Hours   **Maximum Marks : 75**

Answer question No.1 compulsory   *(5 × 3 = 15)*

Answer one question from each unit   *(4 × 15 = 60)*

1)   Write short notes on :

   a)   Inter – process Communication

   b)   Atomic transaction

   c)   Swapping

   d)   Demand pagging

   e)   Thrashing

UNIT – I

2)   a)   Explain distributed system with example?

   b)   What is meant process? Explain Process Control Block?

OR

3)   Explain Inter process Communication with example?

UNIT - II

4)   Describe FCFS and Round Robin scheduling algorithms with examples?

OR

5)   Explain Critical Section problem with example?

UNIT - III

6)   Explain pagging and segmentation with neat block diagrams?

OR

7)   Explain Dead Lock Avoidance and Recovery Techniques with suitable examples?

UNIT - IV

8) Explain different page replacement algorithms with examples?

OR

9) Explain any three file access methods.

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