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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