Evalis-GT University

OS

Exam Type: End Semester

Subject: OS

Duration: 180 minutes Total Marks: 38 Instructions: Answer all questions. Write clearly and show your work where appropriate. Q1. Define process and thread. [0 marks] Q2. What is a system call? [2 marks] Q3. Differentiate between paging and segmentation. [2 marks] Q4. What is the purpose of a semaphore? [2 marks] Q5. Explain thrashing in operating systems. [2 marks] Q6. Define context switching. [2 marks]

or Explain file allocation methods (contiguous, linked, indexed) with diagrams. [5 marks]
Q13. Describe in detail the different states of a process and illustrate the process state transition diagram. [10 marks]