

Second Mid Semester Examination

Operating system (CS/AL-302)

Branch :CS/AIML/DS Semester: III

Time 1:30 Hrs

Max. Marks 20

Note: All questions are compulsory

Q.1 What is Page Fault? Explain the process with the help of diagram. Also, define swapping CO3 (6marks)

OR

Q.1 Explain the LRU page replacement algorithm. Why is it difficult to implement it in pure form?

Q.2 What is File system and what are the various File access method?

CO4 (6 marks)

OR

Q.2 Compare various disk scheduling algorithm by taking suitable example.

Q.3 What do you mean by Virtual memory? Why is it needed? Discuss the hardware support required by the operating system to implement the virtual memory concept. CO5 (8 marks)

OR

Q.3 What is location of reference and explain its use? What is working set? What is it used for? Also discuss the working set in detail.