

T.E. Sem 6 (Rev.) Operating Systems with Unix. 06/6/08.
Comp.

Con. 3472-08.

CO-2884

(REVISED COURSE)

(3 Hours)

[Total Marks : 100

N.B. (1) Question No. 1 is **compulsory**.(2) Attempt any **four** questions from **remaining** questions.(3) Illustrate answer with **sketches** whenever **required**,

1. (a) Calculate hit and miss using various page replacement policies (LRU, OPT, FIFO) 15
for following page frame sequence, page frame size is 3.
0, 4, 3, 2, 1, 4, 6, 3, 0, 8, 9, 3, 8, 5
Comments on best page replacement policy.
- (b) Explain Multiprogrammed Batch System. 5
2. (a) Explain various dead lock prevention technique. 10
- (b) Explain semaphore ? What is function of semaphore. 10
3. (a) Explain various reasons for process creation and process termination. 10
- (b) Explain various file allocation methods. 10
4. (a) Explain in details various concurrency mechanisms in Unix. 10
- (b) Explain paging in details ? Explain how logical address will convert into physical address. 10
5. (a) Explain different types of processor scheduling. 10
- (b) Explain various disc scheduling algorithms ? Explain the criteria for selecting the best disc scheduling algorithm. 10
6. Write a short notes on : 20
 - (a) Virtual Memory
 - (b) File Access Method
 - (c) Windows 2000 File System
 - (d) Multi threading.