

Roll No.

Subject Code—6758-X

P.G.D.C.A./M.C.A. EXAMINATION

(Second Semester)

(MCA 3 Years)

(For Re-appear Batch Prior to 2009)

MS-08

OPERATING SYSTEM

Time : 3 Hours

Maximum Marks : 100

Note : Attempt any *Five* questions. All questions carry equal marks.

1. (a) Explain the different services provided by operating system for the execution of programs.
- (b) Explain the advantages of multiprocessor systems.

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2. (a) What do you mean by File ? Explain different File Access Methods.
(b) Explain the different File Protection Ways.
3. (a) Explain the different criteria for comparing CPU scheduling algorithms.
(b) What do you mean by multiple processor scheduling ? Explain.
4. Explain the following :
 - (a) Logical Versus Physical Address
 - (b) Swapping
 - (c) Paging.
5. Explain the following :
 - (a) Page Replacement
 - (b) Performance of Demand Paging.
6. (a) Explain the Scan scheduling and C-SCAN scheduling.
(b) Explain the term synchronization in detail.

7. (a) Explain the system resource allocation graph in detail.
(b) Explain Banker's Algorithm in detail.
8. Explain the following :
 - (a) Linux Kernel
 - (b) Critical Section.