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I. Answer all of the following: 3 X 10 M= 30M

1.a) What is Operating System? Explain about functions of OS

                    Or

b) What is system call? Explain types of System Calls

2.Explain operations on process.

                    Or

b) what is process Scheduling? Explain preemptive Algorithm.

 3.a) Explain about Semaphores.

                    Or

 b) What is process synchronization? Explain Producer-Consumer problem

II. Answer FOUR of the following: 4 X 5 M= 20M

4. What is the UNIX operating system?

5.Explain Structure of the operating system.

6. What is the process?

7.Explain communication in the client-server system.

8.What is difference between preemptive and Non preemptive Algorithm?

9.What is the Critical Section problem?