**SRM INSTITUTE OF SCIENCE AND TECHNOLOGY**

**CHENNAI**

**18CSC205J - OPERATING SYSTEMS**

**QUESTION BANK**

**UNIT – 1**

**4 MARKS**

1.Define operating systems.

2.List out the objectives of operating systems.

3.Define program and process.

4.Define threads, and also define benefits of multithreading.

5.Give the definition for the following system calls.

(i)fork (ii)wait (iii)exit

6. Define job scheduler and CPU scheduler.

7.Define pipes and list out the types of pipes.

8.Define ordinary pipes and named pipes.

9.What is called as race condition?

10.Define the three conditions for whichthe solution of critical section problem must satisfy .

**12 MARKS**

1.Explain about the evolution of operating systems.

2.Explain about the design considerations of operating systems for multiprocessors and multicore.

3.Describe about the process control block in detail along with neat diagram.

4.Explain the functions of operating systems in detail.

5.Describe in detail about the process scheduling in operating systems.

6.Explain the process creation and process termination in detail.

7.Describe in detail about the cooperating processes .

8.Explain in detail about the Interprocess Communication.