**QUESTIONS ON OPERATING SYSTEM**

1. **DEFINE OPERATING SYSTEM .WHAT ARE DIFFERENT OPERATING SYSTEM SERVICES.**
2. **WHAT IS SYSTEM CALL. EXPLAIN THE WORKING OF SYSTEM CALL.**
3. **EXPLAIN PROCESS CONCEPT.EXPLAIN CREATION AND TERMINATION OF PROCESSES.**
4. **EXPLAIN CASCADING TERMINATION AND CONTEXT SWITCH.**
5. **WRITE SHORT NOTES ON MULTIPROCESSING, CLUSTERED AND REALTIME OPERATING SYSTEM.**
6. **EXPLAIN SCHEDULING AND CRITERIA FOR SCHEDULING.**
7. **DIFFERENTIATE BETWEEN PRE-EMPTIVE AND NON-PREEMPTIVE SCHEDULING.**
8. **EXPLAIN FCFS, SJF, RR, MULTILEVEL AND PRIORITY SCHEDULING ALGORITHM.**
9. **WHAT IS INTERPROCESS COMMUNICATION.**
10. **WHAT ARE CLASSIC PROBLEMS OF SYNCHRONIZATION.**

**11)Explain deadlock avidance, deadlock detection and deadlock recovery.**

**12)What are the different methods for handling deadlocks? Explain**

1. **Define the following**
2. **Deadlock b) safe state c) unsafe state d) starvation e) rollback**
3. **Define the following**

**a) logical and physical address**

**b) swapping**

**c) fragmentation(external and internal)**

d) **page fault**

**e) relocation**

1. **Explain segmentation and segmentation with paging**
2. **Explain page replacement algorithm, demand paging and virtual memory**

**17) Explain a) free space management**

**b) allocation methods**

**c) access methods**

**d) operations on file**

**e) file attributes**

**18)Compare contiguous,linked and indexed allocation**

**19) Explain scheduling algorithm(FCFS, SSTF, SCAN, CSCAN, LOOK, CLOOK)**

**20)Explain polling and interrupts**

**21)Write short notes on**

**a) Editors**

**b) Macros**

**c) Components of system programming**

**d) Debuggers**

**e) Loaders**

**f)Assemblers and Interpreters**