MULTIPLE CHOICE QUESTIONS

REMEMBERING

1. Which among the following are the components of computer system

a. Hardware
b. Operating System
c. Application
d. All the above

2 .Give the full form of CPU

a. Central Processing Unit
b. Central Processing User
c. Central Program Unit
d. Central Program User

3. Which system is the logical extension of multi-programming

a. Batch Processing System
b. Multi Programming Systems
c. Time Sharing System
d. Real Time System

4. Which system is less restrictive

a. Soft Real Time
b. Hard Real Time
c. Both of them
d. None of the two

5. Which system is used when there is rigid time requirement

a. Batch Processing System
b. Multi Programming Systems
c. Time Sharing System
d. Real Time System

6. Which of the following is passive entity

a. **Program**

b. Process
c. User process
d. All the above

7. Which of the following is active entity
   a. Program
   b. **Process**
   c. File
   d. All the above

8. The process being created is called as
   a. **New**
   b. Running
   c. Waiting
   d. Ready

9. Instruction being executed is called as
   a. New
   b. **Running**
   c. Waiting
   d. Ready

10. The process waiting for some event to occur is called as
   a. New
   b. Running
   c. **Waiting**
   d. Ready

11. The process waiting to be assigned to a processor is called as
   a. New
   b. Running
   c. Waiting
   d. Ready

12. Give the Full form of PCB

a. Process Control Block

b. Program Control Block

c. Process Care Block

d. Program Control Block

UNDERSTANDING

13. The process that enters into a system are put in

a. Ready Queue

b. Job Queue

c. Device Queue

d. None of the above

14. The process that are residing in main memory and are ready and waiting to execute are kept on a list called

a. **Ready Queue**

b. Job Queue

c. Device Queue

d. None of the above

15. The list of process waiting for I/O device is called

a. Ready Queue

b. Job Queue

c. Device Queue

d. None of the above

16. How do we represent "queue" in queuing diagram

a. **Rectangle**

b. Square

c. Circle

d. Arrow

17. How do we represent the resources that serve the queues in queuing diagram

a. Rectangle

b. Square

c. Circle

d. Arrow

18. How the flow of process is been indicated

a. Rectangle

b. Square

c. Circle

d. **Arrow**

19. Long term Scheduler is also called as

a. Job Scheduler

b. Short-term scheduler

c. CPU Scheduler

d. None of the above

20. Short term Scheduler is also called as

a. Job Scheduler

b. Short-term scheduler

c. CPU Scheduler

d. None of the above

21. The process swapped out and is later swapped in is done by which scheduler

a. Long-term scheduler

b. Short-term scheduler

c. Medium-term scheduler

d. None of the above

22. Dividing the system function into separate processor or thread is called as

a. Information Sharing

b. Computation Speedup

c. Modularity

d. Convenience

23. Give the full form of LWP
    a. **Light Weight Process**
    b. Light Weight Program
    c. Lengthy Weight Process
    d. Lengthy Weight Program

24. A Traditional Process has how many threads in control
    a. 1
    b. 2
    c. 3
    d. 4

25. Traditional process is also called as
    a. Heavy weight Process
    b. Light weight Process
    c. Multi Process
    d. None of the above

FOUR MARKS QUESTION

REMEMBERING

1. Give the brief introduction about operating system with neat diagram.
2. Explain Batch processing system.
3. Briefly explain Multi Programming system.
4. Write a note on time sharing system.
5. Explain the following system components.
    a. Process management
    b. Main Memory Management
6. Explain two viewpoints of operating system.
7. Explain the following system components.
    a. File management
    b. I/O System Management
8. Explain the following system components.
    a. Secondary storage management
    b. Protection

UNDERSTANDING

9. Briefly explain Operating System services.
10. Briefly explain Process concepts. Explain different Process states with neat diagram.
11. Explain Process control block with neat diagram.
12. Write a note on Process scheduling with neat diagram.
13. Write a note on different types of scheduler.
14. Write a note on Co-operating process.
15. Briefly explain thread concepts and the benefits of single and multi-threads.