**Chapter 4: Real Time System**

**1. What is the Real-time systems?**  
A. Used for monitoring events as they occur  
B. Primarily used on mainframe computers  
C. Used for real-time interactive users  
D. Used for program development

**A**

**2. The \_\_\_\_\_\_\_\_\_\_ Operating System pays more attention to the meeting of the time limits.**  
A. Network  
B. Distributed  
C. Online  
D. Real-time

**D**

3. In real time operating system is\_\_\_\_\_\_\_\_\_\_  
A. kernel is not required  
B. [process scheduling](https://t4tutorials.com/round-robin-process-scheduling-algorithm-in-operating-systems/) can be done only once task  
C. must be serviced by its deadline period  
D. all processes have the same priority

**C**

**4. The**[**interrupt**](https://t4tutorials.com/xceptions-and-interrupts-in-operating-systems/)**latency should be \_\_\_\_\_\_\_\_\_  for real time operating systems.**  
A. maximum  
B. minimal  
C. dependent on the scheduling  
D. zero

**B**

**5. Which**[**scheduling**](https://t4tutorials.com/cpu-scheduling-solved-mcqs-questions-answers/)**amount of CPU time is allocated to each process?**  
A. equal share scheduling  
B. none of the mentioned  
C. earliest deadline first scheduling  
D. proportional share scheduling

**D**

**6. What is the Use of the robot by car manufacturing companies the example of…**  
A. applicant controlled computers  
B. user-controlled computers  
C. machine controlled computers  
D. [network](https://t4tutorials.com/computer-network-mcqs/) controlled computers

**C**

**7. When the System**[**processes**](https://t4tutorials.com/os-execution/)**data instructions without any delay is called as**  
A. online system  
B. real-time system  
C. instruction system  
D. offline system

**B**

8. Which single task of a particular application is process is a type of processor…  
A. applicant processor  
B. one task processor  
C. [real time](https://t4tutorials.com/real-time-operating-systems-hard-vs-soft-rtos) processor  
D. dedicated processor

**D**

**9. The Designing of system take into considerations of\_\_\_\_\_\_\_\_\_.**  
A. operating system  
B. communication system  
C. hardware  
D. all of the above  
E. none of these

**D**

**10. The Time duration required for scheduling dispatcher to stop one process and start another is called…**  
A. dispatch latency  
B. process latency  
C. interrupt latency  
D. execution latency

**A**

**11. Which of the following is correct in real time?**  
A. non-preemptive kernels  
B. preemptive kernels  
C. neither preemptive nor non-preemptive kernels  
D. preemptive kernels or non preemptive kernels

**B**

**12. Which of the following is Preemptive, priority-based scheduling guarantees?**  
A. protection of memory  
B. hard real-time functionality  
C. soft real-time functionality  
D. all of the above  
E. none of these

**C**

**13. In real time operating system \_\_\_\_\_\_\_\_\_\_\_\_**  
a) all processes have the same priority  
b) a task must be serviced by its deadline period  
c) process scheduling can be done only once  
d) kernel is not required

**Answer: b**

**14. For real time operating systems, interrupt latency should be \_\_\_\_\_\_\_\_\_\_\_\_**  
a) minimal  
b) maximum  
c) zero  
d) dependent on the scheduling

**Answer: a**Explanation: Interrupt latency is the time duration between the generation of interrupt and execution of its service.

**15. Which one of the following is a real time operating system?**a) RTLinux  
b) VxWorks  
c) Windows CE  
d) All of the mentioned

**Answer: d**