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Practice Best Real-Time Operating System MCQ Quiz & Online Test

We have listed below the best **Real-Time Operating System MCQ Questions**, that check your basic knowledge of Real-Time Operating System MCQ. This **Real-Time Operating System MCQ Test** contains 20 Multiple Choice Questions. You have to select the right answer to check your final preparation for the **Real-Time Operating System MCQ Exam/Interviews**. apart from this, you can also download the **Real-Time Operating System MCQ PDF,** completely free from the link given below.

Q1. What is the Real-time systems?

- **A.** Used for program development
- **B.** Used for real-time interactive users
- **C.** Primarily used on mainframe computers
- **D. Used for monitoring events as they occur**

Q2. Which of the following is correct in real time?

- **A. Preemptive kernels**
- **B.** Non-preemptive kernels
- **C.** Neither preemptive nor non-preemptive kernels
- **D.** Preemptive kernels or non preemptive kernels

Q3. Designing of system take into considerations of_____

- **A.** Hardware
- **B.** Operating system
- **C.** Communication system
- **D. All of above**

Q4. The interrupt latency should be _____

- **A.** maximum
- **B. minimal**
- **C.** zero
- **D.** None of the above

Q5. Memory management units

- **A.** increase the time required to complete an operation
- **B.** increase the power consumption of the system
- **C.** increase the cost of the system
- **D. All of above**

Q6. What type of fault remains in the system for some period and then disappears?

- **A. Transient**
- **B.** Permanent
- **C.** Intermittent
- **D.** All of above

Q7. Hard real time operating system has _____ jitter than a soft real time operating system.

- **A. less**
- **B.** more
- **C.** equal
- **D.** All of above

Q8. It is guaranteed that critical real time tasks will be completed within their deadlines.

- **A.** Soft
- **B. Hard**
- **C.** Critical
- **D.** All of above

Q9. What is the priority of a real time task?

- **A.** may degrade over time
- **B.** must degrade over time

- **C. must not degrade over time**
- **D.** None of the above

Q10. The amount of memory in a real time system is generally

- **A. less compared to PCs**
- **B.** high compared to PCs
- **C.** same as in PCs
- **D.** they do not have any memory

Q11. In _____ OS, the response time is very critical

- **A.** Batch
- **B.** Online
- **C. Real-time**
- **D.** Multitasking

Q12. VxWorks is centered around _____

- **A.** unix kernel
- **B.** linux kernel
- **C. wind microkernel**
- **D.** None of the above

Q13. In rate monotonic scheduling _____

- **A. Shorter duration job has higher priority**
- **B.** Longer duration job has higher priority
- **C.** Priority does not depend, duration of the job
- **D.** None of them

Q14. Priority inversion is solved by use of _____

- **A.** Time protocol
- **B.** Two phase lock protocol
- **C. Priority inheritance protocol**
- **D.** All of above

Q15. Fast response of real time processing is considered as its

- **A.** Network
- **B. Advantage**
- **C.** Disadvantage
- **D.** Characteristic

Q16. System which processes data instructions without any delay is classified as

- **A.** Online system
- **B.** Offline system
- **C.** Instruction system
- **D. Real time system**

Q17. Which of these devices can have an REAL TIME operating system?

- **A.** ATM
- **B.** Server
- **C. Tesla car**
- **D.** Gaming console

Q18. What type of number

- **A.** integer number
- **B.** rational number
- **C.** whole number
- **D. All of above**

Q19. Antilock brake systems, flight management systems, pacemakers are examples of

- **A.** Hard real time system
- **B.** Safety critical system
- **C.** Soft real time system
- **D. Both A & B**

Q20. Real time systems need to interrupt latency are

- **A. minimize**
- **B.** minimize
- **C.** Both A & B
- **D.** None of them

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