OPERATING SYSTEM BASED COMPUTER MCQ PRACTICE QUESTIONS AND ANSWERS PDF WITH EXPLANATION

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Q1. Memory management is

a) not used in modern operating systems

b) replaced with virtual memory on current systems

c) not used on multiprogramming systems

d) critical for even the simplest operating systems

Q2. Allocate the smallest hole that. is big enough is called

a) first fit

b) best fit

c) worst fit

d) all of the above

Q3. Relative address in memory management is

a) Independent of some known point

b) Dependent to some known point

c) Actual location in the main memory

d) None of these.

Q4. The Windows 2000, operating system supports

a) Multiple user processes with single thread per process.

b) Multiple processes with multiple thread per process.

c) Single process with single thread.

d) Single process with multiple threads.

Q5. When preemptive policy is applied to uniprocessor scheduling then

a) Once a process is in running state, it continues to execute until it terminates or block itself.

b) Currently running process can be interrupted and moved to ready state by the operating system.

c) The processes are assigned priorities.

d) None of these.

Q6. A set of resources allocations such that the system can allocate resources to each process is some order, and still avoid a dead lock is called

a) unsafe state

b) safe state

c) Starvation

d) Greedy allocation

Q7. The following resources can cause deadlocks

a) Read only files

b) Shared programs

c) Printers

d) All of the above

Q8. I/O modules move data

a) Between external environment and computer.

b) In the computer main memory.

c) In Processors

d) None of these.

Q9. A task in a blocked state is

a) Executable

b) Waiting for some temporarily unavailable resource

c) Running

d) None of these

Q10. Compile time

a) where the process will reside in memory, then absolute code can be generated

b) where the process will reside in memory, then the compiler must generate relocatable code

c) if the process can be moved during its execution from one memory segment to another,the binding must be delayed until run time

d) all of the above

Q11. Memory buffer register (MBR) contains

a) Data that is to be written into memory

b) A particular I/O device.

c) Exchange data between I/O module and the processor.

d) The instruction most recently fetched.

Q12. The demand paging and pre paging of virtual memory management are

- P - Fetch, Q -Demand paging, R -Prepaging;
- 1-Determines when a page should be bought into main memory. 2- A page is bought into main memory only when a reference is made to a location on that page. 3-Pages other than the one demanded by a page fault are bought in.

a) A - 1, B - 2, C - 3

b) A - 3, B - 2, C - 1

c) A - 2, B - 3, C - 1

d) A - 3, B - 1, C - 2

Q13. In memory management where replacement is allowed in First-in-First-out (FIFO) fashion

a) The page frames are allocated to a process as circular buffer and pages are removed in random order.

b) The page frames are allocated to a process as circular buffer and pages are removed in round-robin order.

c) Replaces the pages that are least referred.

d) Replaces the pages that are most referred.

Q14. Thrashing

a) the high paging activity

b) is spending more time in paging than executing

c) both A and B above

d) none of the above

Q15. In which of the following RAID scheme, redundancy is achieved by the simple expedient of duplicating all the data ?

a) RAID level 0

b) RAID level 1

c) RAID level 2

d) RAID level 3

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Answers to the above questions :

Q1. Answer: (b)

Q2. Answer: (b)

Q3. Answer: (b)

Q4. Answer: (b)

Q5. Answer: (b)

Q6. Answer: (b)

Q7. Answer: (c)

Q8. Answer: (a)

Q9. Answer: (b)

Q10. Answer: (a)

Q11. Answer: (a)

Q12. Answer: (a)

Q13. Answer: (b)

Q14. Answer: (c)

Q15. Answer: (b)

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