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

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Created By Careericons Team

Q1. Of the following which is the methods for allocating disks

a) Contiguous

b) Linked

c) Indexed

d) All of the above

Q2. In the following processes: a = a + 1; b = 2 × b; b = b + 1; a = 2 × a; the output is.

a) a > b

b) a < b

c) a = b

d) None of these.

Q3. The page table that is maintained by operating system

a) Shows frame location for each page of the process

b) Shows actual address in main memory

c) Referrer memory location to memory

d) None of these.

Q4. Semaphores

a) are used to do I/O

b) Synchronize critical resources to prevent contention

c) synchronize critical resources to prevent deadlock.

d) allow processes to communicate with one another.

Q5. In memory management :A-Fixed allocation policy, B-Variable allocation policy: 1-It gives a process a fixed number of frames in main memory within which to execute. 2-It allows the number of page frames allocated to a process to be varied over the life time of the process. 3-In it a number of allocated frames are decided at initial load time.

a) A - 1, 3, B - 2

b) A - 1, B - 3

c) A - 2, B - 1, 3

d) A - 1, 2, B - 3

Q6. For file management, in file operations device drivers are

a) Disk drivers

b) Tape drivers

c) A and B both

d) None of these.

Q7. In monolithic operating system

a) Virtually any procedure can call any other procedure.

b) Virtually specific procedure can call any other procedure.

c) Virtually specific procedure can call specific procedure.

d) None of these.

Q8. Processor-bound tasks

a) use the processor more often

b) use more processor time

c) use less processor time

d) always take longer to execute

Q9. Which type of design problem in file system

a) how the file system should look to the user

b) algorithm and data structure must be created to map the logical file system onto the secondary storage device

c) Both A and B above

d) none of the above

Q10. Situations where two or more processes are reading or writing some shared data and the final result depends on who runs precisely which are called

a) race condition

b) critical sections

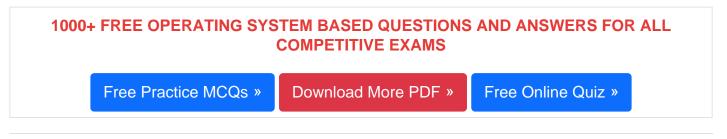c) mutual exclusions

d) message passing

Q11. Priorities

a) are used to schedule processes

b) increase as a process remains in the processor

c) are attached to each page in the system

d) are assigned by the user.

Q12. The intensive jobs

a) use less processor time than most jobs

b) you are constrained by their I/O requirements

c) run more quickly than processor intensive jobs

d) should all be executed at the same time

Q13. Main memory is referred as

a) Virtual memory

b) Real memory

c) A and B both

d) None of these.

Q14. Following is not true for disk cache

a) It is a buffer in main memory for disk sector

b) It contains the copy of some of the sector on the disk

c) It is bigger is size than main memory

d) It is smaller is size than main memory

Q15. Windows is an

a) operating system

b) operating environment

c) user interface

d) programming platform

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Answers to the above questions :

Q1. Answer: (b)

Q2. Answer: (d)

Q3. Answer: (a)

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Q4. Answer: (c)

Q5. Answer: (a)

Q6. Answer: (c)

Q7. Answer: (a)

Q8. Answer: (b)

Q9. Answer: (c)

Q10. Answer: (a)

Q11. Answer: (a)

Q12. Answer: (b)

Q13. Answer: (b)

Q14. Answer: (c)

Q15. Answer: (c)

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