

Computer Science Mcqs Test

- a. A portion of the hard disk considered as RAM.
 - b. Extended memory on the secondary storage that is used whenever physical memory is full .
 - c. The abstraction of separating logical memory – memory as seen by the process – from physical memory – memory as seen by the processor.
 - d. It is the page file in Windows folder.
 - e. None of these.
2. The 'cmp' instruction modifies the:
- a. Instruction register.
 - b. Flags register.
 - c. Segment register.
 - d. None of these.
3. Consider the following page reference string:
1,2,3,4,2,1,5,6,2,1,2,3,7,6,3,2,1,. Assuming there are 4 page frames available and that all frames are initially empty, what is the total number of page faults that would occur for the page reference string above if the least-recently-used (LRU) replacement policy is used?
- a. 6
 - b. 9
 - c. 10
 - d. 11
 - e. None of these
4. The Banker's algorithm is used to _____
- a. Rectify deadlock
 - b. Detect deadlock
 - c. Prevent deadlock
 - d. Avoid deadlock
 - e. None of these
5. The necessary conditions needed before deadlock can occur are _____.
- a. No Mutual Exclusion, Hold and wait, Preemption, Circular Wait.
 - b. Mutual Exclusion, No Hold and wait, Preemption, Circular Wait.
 - c. Mutual Exclusion, Hold and wait, No Preemption, Circular Wait.
 - d. Mutual Exclusion, Hold and wait, Preemption, No Circular Wait.

6. Differences between data link layer and transport layer error detection is that:

- a. Data link detects transmission errors while transport layer detects segmentation faults.
- b. Data link detects node-to-node errors while transport layer detects end-to-end errors.
- c. Data link detects end-to-end errors while transport layer detects node-to-node errors
- d. Data link detects segmentation errors while transport layer detects bit error.
- e. None of these

7. Phase Shift Keying (PSK) method is used to modulate digital signals at 9600bps using 16 levels. The line signals speed (i.e. modulation rate) will be:

- a. 1200 bands
- b. 2400 bands
- c. 4800 bands
- d. 9600 bands
- e. None of these

8. Exception handling is a powerful technique that separates error-handling code from _____ code

- a. Buggy
- b. Faulty
- c. Normal
- d. Exceptional
- e. None of these

9. When a subroutine is called, the address of the instruction following the CALL instructions stored in/on the:

- a. Stack pointer
- b. Accumulator
- c. Programs counter
- d. Stack
- e. None of these

10. Binary tree "preorder" traversal is defined recursively as follows:

- a. Traverse left subtree, visit the root, traverse right subtree
- b. Traverse right subtree, visit the root, traverse left subtree
- c. Visit the root, traverse left subtree, traverse right subtree
- d. traverse left subtree, traverse right subtree, visit the root
- e. None of these

11. What value will return to the operating system upon the successful completion of a program?

- a. -1
- b. 1
- c. 0
- d. None of these

13. The advantages of creating a prototype are:

- a. It allows developers to experiment with number of different design options.
- b. It can serve as means of communication between developers and customers.
- c. It is better than water fall model
- d. Both a and b
- e. None of these

14. Choose the correct statement:

- a. Testing can show the presence of bugs but never their absence
- b. Testing can always find all the bugs
- c. Testing can always be exhaustive
- d. If we test enough then we can find all of the bugs
- e. None of these

15. Which of the following operations need the participating relations to be union compatible?

- a. UNION
- b. INTERSECTION
- c. DIFFERENCE
- d. All of these
- e. None of these

16. The language used in application programs to request data from the DBMA is referred to as the:

- a. DML
- b. DDL
- c. VDL
- d. SDL
- e. None of these

17. What is the correct XHTML for a paragraph?

- a. <P></p>
- b. <P></P>

- c. `<p></p>`
- d. `</p><p>`
- e. None of these

18. Which of the following HTML form method is suitable when you need to send larger form submission?

- a. Get
- b. Post
- c. Both Get and Post
- d. Ajax
- e. None of these

19. (2,4) is a point on a circle that has center at the origin. Which of the following points are also on circle?

- a. (2,-4)
- b. (-2,4)
- c. (4,-2)
- d. All of the above
- e. None of these

20. In Bresenham's algorithm, while generating a circle, it is easy to generate?

- a. One octant first and other by successive reflection
- b. One octant first and other by successive rotation
- c. One octant first and other by successive translation
- d. All octants
- e. None of these.