| **2011 Impectus Placement Papers - I with Answers, Solutions:-**  **1.** Banker’s algorithm is used for-  a). Deadlock Avoidance  b). Deadlock Prevention  c). Deadlock Handling  d). None of these   **2.**The software which run on hardware to support other programs to run is called-  a) System software  b) Operating system  c) Application programs  d) None of these   3.**FSM can recognize-**  a) Any grammar  b) Only CFG  c) Any unambiguous grammar  d) Only regular grammar    **4.**Any string of terminals that can be generated by the following CFG-  S à XY  X à aX | bX | a  Y à Ya | Yb | a  a) Has at least one b  b) Should end in an a  c) Has no consecutive a’s or b’s  d) Has at least two a’s   **5.** CSG can be recognized by a-  a) FSM  b) DPDM  c) NDPDM  d) Linearly bounded memory machine   **6.**The depth of a complete binary tree with n nodes is-  a) Log(n+1)-1  b) Log(n)  c) Log(n-1)+1  d) Log(n)+1   **7.**Which of the following traversal techniques lists the nodes of a binary search tree in ascending order-  a) Post-order  b) In-order  c) Pre-order  d) None of these   **8.**Odd man out-  a) Fragrance  b) Smell  c) Foul smell  d) Incense   **9.**What will be the output-  for(i=1;i<=3;i++)  {  printf("%d",i);  continue;  i++;  }  a) 1,2,3  b) 1,1,1  c) 0,0,0  d) Compilation error  **10.**Which is more important in a sql query IN or EXISTS-  a) IN  b) EXISTS  c) Both  d) Depend on the condition  **11**.  for(i=1;i<=3;i++) { printf("%d",i); continue; i++; } **Ans**: 1,2,3  **12.** if(a=0) printf(" a is 0 "); else printf(" a is not 0 ");  **13**. which are distructive testing  **14.** wat is the size of new generation ip x addreass(IP x 6)  **15**.  wat is the initial IP address(IP x 4)  **16**. Que is implemented by array and linked list  **17**. more imp.in SQL IN or EXISTS both depended on the requirement.  **18**. In sql wat is not true  **Ans** : c(index are not unique)  **19**. banker algorithm is used for deadlock avoidance  **20**. which is not s/w testing technique  **Ans**:syntax testing  **21**. 7 virtual table ,7 virtual pointers  **22.** size of \*p,p,char\*p  **23.** quicksort  **Ans**: divide and conquer  **24.** IP address -----.25,-------.240(subnet)  **25**. layer which divide frame into segment (networking) |
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