G.PULLAIAH COLLEGE OF ENGINEERING & TECHNOLOGY (AT)

II B.Tech II Semester–I Mid Examinations - OBJECTIVE PAPER

SUB: DS   BranchECE   Date: 06-03-2018   **SET-1**
Max Marks: 10   Roll no: Time: 20 Minutes

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1. Generally collection of nodes called as----------------   [   ]
    a. Stack   b. Linked list   c. Heap   d. Pointer
2. Which of the following is not a type of linked list (LL)   [   ]
    a. Hybrid LL   b. Singly LL   c. Circular LL   d. Doubly LL
3. Linked list is generally considered as an example of type of memory
    location   [   ]
    a. static b. compile time   c. dynamic   d. run time
4. In the stack user try to remove an element from the empty stack is[   ]
    a. Under flow b. garbage collection c. empty collection d. over flow
5. What will be the initial value with which top is initialized   [   ]
    a. -1   b. garbage   c. 1   d. 0
6. Which of the following data structure s are indexed structures[   ]
    a. Linked arrays   b. Linked list c. both of above d. none of above
7. Two dimensional arrays are also called as   [   ]
    a. Tables array b. Matrix array c. both of above d. none of above
8. Which of the following data structure stores the homogeneous data[   ]
    a. Array   b. Record   c. Stack   d. All of the above
9. When new data are to be inserted into a data structure, but there is no
    space available this situation is usually called   [   ]
    a. Underflow   b. Overflow   c. House full   d. Saturated
10. The situation when in a linked list START=FULL is   [   ]
    a. Underflow   b. Overflow   c. House full   d. Saturated

Match the following:

11. Arrays   a .FIFO   [   ]
12. Linked list   b. Homogeneous Data   [   ]
13. stack   c. Non homogeneous Data   [   ]
14. pointer   d. LIFO   [   ]
15. queue   e. stores Address   [   ]

TRUE OR FALSE

16. Sparse Matrix is the application of arrays   [   ]
17. Stack is a linear data structure   [   ]
18. Circular linked list is applicable only for single linked list[   ]
19. Simulation is the application of stack   [   ]
20. Ab+ac-* is the prefix expression   [   ]

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SUB: DS   BranchECE   Date: 06-03-2018   **SET-2**
Max Marks: 10   Roll no: Time: 20 Minutes

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1. Which of the following data structure s are indexed structures[   ]
    a.   Linked arrays   b. Linked list c. both of above d. none of above
2. Two dimensional arrays are also called as   [   ]
    a. Tables array b. Matrix array c. both of above d. none of above
3. Which of the following data structure stores the homogeneous data[ ]
    a.   Array   b. Record   c. Stack d. All of the above
4. When new data are to be inserted into a data structure, but there is
    no space available this situation is usually called   [   ]
    a.   Underflow   b. Overflow   c. House full   d. Saturated
5. The situation when in a linked list START=FULL is   [   ]
    a.   Underflow   b. Overflow   c. House full   d. Saturate
6. Generally collection of nodes called as-----------------   [   ]
    a.   Stack   b. Linked list   c. Heap   d. Pointer
7. Which of the following is not a type of linked list (LL)   [   ]
    a.   Hybrid LL   b. Singly LL   c. Circular LL d. Doubly LL
8. Linked list is generally considered as an example of type of memory
    location   [   ]
    a.   static b. compile time c. dynamic   d. run time
9. In the stack user try to remove an element from the empty stack is[   ]
    a. Under flow b. garbage collection c. empty collection   d. over flow
10. What will be the initial value with which top is initialized   [   ]
    a.   -1   b. garbage   c. 1   d. 0

MATCH THE FOLLOWING

11. stack   a. Non homogeneous Data   [   ]
12. pointer   b. LIFO   [   ]
13. queue   c. stores Address   [   ]
14. Arrays   d .FIFO   [   ]
15. Linked list   e. Homogeneous Data   [   ]

TRUE OR FALSE

16. Sparse Matrix is the application of arrays   [   ]
17. Stack is a linear data structure   [   ]
18. Circular linked list is applicable only for single linked list[   ]
19. Simulation is the application of stack   [   ]
20. Ab+ac-* is the prefix expression   [   ]

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II B.Tech II Semester–I Mid Examinations - OBJECTIVE PAPER

SUB: DS   BranchECE   Date: 06-03-2018

Max Marks: 10   Roll no: Time: 20 Minutes   **SET-3**

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1. In the stack user try to remove an element from the empty stack is[   ]
    a. Under flow b. garbage collection c. empty collection   d. over flow
2. What will be the initial value with which top is initialized   [   ]
    a.   -1   b. garbage   c. 1   d. 0
3. When new data are to be inserted into a data structure, but there is
    no space available this situation is usually called   [   ]
    a.   Underflow   b. Overflow   c. House full   d. Saturated
4. The situation when in a linked list START=FULL is   [   ]
    a.   Underflow   b. Overflow   c. House full   d. Saturate
5. Generally collection of nodes called as----------------   [   ]
    a.   Stack   b. Linked list   c. Heap   d. Pointer
6. Which of the following is not a type of linked list (LL)   [   ]
    a.   Hybrid LL   b. Singly LL   c. Circular LL   d. Doubly LL
7. Linked list is generally considered as an example of type of memory
    location   [   ]
    a.   static b. compile timec. dynamic   d. run time
8. Which of the following data structure s are indexed structures[   ]
    c.   Linked arrays   b. Linked list c. both of above d. none of above
9. Two dimensional arrays are also called as   [   ]
    a. Tables array b. Matrix array c. both of above d. none of above
10. Which of the following data structure stores the homogeneous data[   ]
    a.   Array   b. Record   c. Stack d. All of the above

MATCH THE FOLLOWING

11. pointer   b. LIFO   [   ]
12. queue   c. stores Address   [   ]
13. stack   a. Non homogeneous Data   [   ]
14. Arrays   d .FIFO   [   ]
15. Linked list   e. Homogeneous Data   [   ]

TRUE OR FALSE

16. Sparse Matrix is the application of arrays   [   ]
17. Simulation is the application of stack   [   ]
18. Ab+ac-* is the prefix expression   [   ]
19. Stack is a linear data structure   [   ]
20. Circular linked list is applicable only for single linked list[   ]

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II B.Tech II Semester–I Mid Examinations - OBJECTIVE PAPER

SUB: DS   BranchECE   Date: 06-03-2018   **SET-4**

Max Marks: 10   Roll no: Time: 20 Minutes

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1. Linked list is generally considered as an example of type of memory location   [   ]
   a. static b. compile time   c. dynamic   d. run time
2. In the stack user try to remove an element from the empty stack is[   ]
   a.   Under flow b. garbage collection c. empty collection d. over flow
3. What will be the initial value with which top is initialized   [   ]
   a.   -1   b. garbage   c. 1   d. 0
4. Which of the following data structure s are indexed structures[   ]
   a.   Linked arrays   b. Linked list c. both of above d. none of above
5. Two dimensional arrays are also called as   [   ]
   a.   Tables array b. Matrix array c. both of above d. none of above
6. Which of the following data structure stores the homogeneous data[   ]
   a.   Array   b. Record   c. Stack   d. All of the above
7. When new data are to be inserted into a data structure, but there is no space available this situation is usually called   [   ]
   a.   Underflow   b. Overflow   c. House full   d. Saturated
8. The situation when in a linked list START=FULL is   [   ]
   a.Underflow   b. Overflow   c. House full   d. Saturated
9. Generally collection of nodes called as-----------------   [   ]
   a.   Stack   b. Linked list   c. Heap d. Pointer
10. Which of the following is not a type of linked list (LL)   [   ]
    a.   Hybrid LL   b. Singly LL   c. Circular LL   d. Doubly LL

Match the following:

11. stack   c. Non homogeneous Data   [   ]
12. pointer   d. LIFO   [   ]
13. queue   e. stores Address   [   ]
14. Arrays   a .FIFO   [   ]
15. Linked list   b. Homogeneous Data   [   ]

TRUE OR FALSE

16. Circular linked list is applicable only for single linked list[   ]
17. Simulation is the application of stack   [   ]
18. Ab+ac-* is the prefix expression   [   ]
19. Sparse Matrix is the application of arrays   [   ]
20. Stack is a linear data structure   [   ]