

Online Assessment (Even Sem/Part-I/Part-II Examinations 2019 - 2020)

Course Name - Data Structure

Course Code - BCA201

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Answer all the questions. Each question carry one mark.

9. 1. Which of the following is non-linear data Structure?

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- Stacks
- List
- Strings
- Trees

10. 2. Which data structure allows deleting data elements from front and inserting at the rear?

Mark only one oval.

- Stack
- Queue
- List
- None of these

11. 3. How is Data in a stack accessed?

Mark only one oval.

- First in First out
- First in Last out
- Last in First out
- Last in Last out

12. 4. The condition _____ indicate the queue is empty.

Mark only one oval.

- Front=NULL
- Null=Front
- Front=Rear
- Rear=NULL

13. 5. _____ is a directed tree in which out degree of each node is less than or equal to two.

Mark only one oval.

- Unary tree
- Binary tree
- Ternary tree
- both binary tree & Ternary tree

14. 6. Which data structure is needed to convert infix notation to postfix notation?

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- Branch
- Tree
- Queue
- Stack

15. 7. Which is the pointer associated with the stack?

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- FIRST
- FRONT
- TOP
- REAR

16. 8. Which search technique is better?

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- Linear
- Binary
- all of these
- None of these

17. 9. Convert the following infix expressions into its equivalent postfix expressions $(A + B \wedge D)/(E - F) + G$.

Mark only one oval.

- $(A B D \wedge + E F - / G +)$
 $(A B D + \wedge E F - / G +)$
 $(A B D + \wedge E F / - G +)$
 $(A B D E F + \wedge / - G +)$

18. 10. The best case complexity of Bubble sort algorithm is

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- $O(n)$
 $O(\log n)$
 $O(n^2)$
 $O(n \log n)$

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