

# KAKP Commerce and Science College, Jalgaon

CH 401 Data Structure II -

Internal Exam Sem IV -

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\* Required

1. Email \*

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2. Name of the Student \*

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3. PRN NO \*

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Each Question Carry Four Marks

4. 1. Process of inserting an element in stack is called \_\_\_\_\_ \*

4 points

*Mark only one oval.*

- ☐ a) Create
- ☐ b) Push
- ☐ c) Evaluation
- ☐ d) Pop

5. 2. Process of removing an element from stack is called \_\_\_\_\_\* 4 points

*Mark only one oval.*

- ☐ a) Create
- ☐ b) Push
- ☐ c) Evaluation
- ☐ d) Pop

6. 3. In a stack, if a user tries to remove an element from an empty stack it is called \_\_\_\_\_\* 4 points

*Mark only one oval.*

- ☐ a) Underflow
- ☐ b) Empty collection
- ☐ c) Overflow
- ☐ d) Garbage Collection

7. 4. Pushing an element into stack already having five elements and stack size of 5, then stack becomes \_\_\_\_\_\* 4 points

*Mark only one oval.*

- ☐ a) Overflow
- ☐ b) Crash
- ☐ c) Underflow
- ☐ d) User flow

8. 5. Entries in a stack are “ordered”. What is the meaning of this statement? 4 points

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*Mark only one oval.*

- ☐ a) A collection of stacks is sortable
- ☐ b) Stack entries may be compared with the '<' operation
- ☐ c) The entries are stored in a linked list
- ☐ d) There is a Sequential entry that is one by one

9. 6) How can we describe an array in the best possible way? \* 4 points

*Mark only one oval.*

- ☐ a) The Array shows a hierarchical structure.
- ☐ b) Arrays are immutable.
- ☐ c) Container that stores the elements of similar types
- ☐ d) The Array is not a data structure

10. 7) Which of the following is the correct way of declaring an array? \* 4 points

*Mark only one oval.*

- ☐ a) int javatpoint[10];
- ☐ b) int javatpoint;
- ☐ c) javatpoint{20};
- ☐ d) array javatpoint[10];

11. 8) Which of the following is the advantage of the array data structure? \* 4 points

*Mark only one oval.*

- ☐ a) Elements of mixed data types can be stored.
- ☐ b) Easier to access the elements in an array
- ☐ c) Index of the first element starts from 1.
- ☐ d) Elements of an array cannot be sorted

12. 9) Which of the following highly uses the concept of an array? \*

4 points

*Mark only one oval.*

- ☐ a) Binary Search tree
- ☐ b) Caching
- ☐ c) Spatial locality
- ☐ d) Scheduling of Processes

13. 10) Which data structure is mainly used for implementing the recursive algorithm? \*

4 points

*Mark only one oval.*

- ☐ a) Queue
- ☐ b) Stack
- ☐ c) Binary tree
- ☐ d) Linked list

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