

1.

Find incorrect match out of the following

- A. Memory Wastage - Linear Queue**
- B. Ring Buffer - Linear Queue**
- C. Round Robin - Circular Queue**
- D. No Memory Wastage - Circular Queue**

Answer: B

2.

Algorithm which involves

- i) exploring all possible solutions to a problem**
- ii) incrementally building a solution**
- iii) Undoing when a dead end is reached**
- iv) Keeps track of the current state of the solution being built.**

- A. Stack**
- B. BackTracking**
- C. Queue**
- D. Both A & B**

Answer:D

3.

Space complexity for each operation in a queue is :

- A. $O(n^2)$**
- B. $O(1)$**
- C. $O(\log n)$**
- D. $O(n \log n)$**

Answer: B

4. _____ data structure support limited operations where as _____ supports more no. of operations.

- A. Stack, Queue
- B. Stack, LinkedList
- C. Stack
- D. Queue

Answer: B

5. Which one of the following uses Priority Queue?

- A. Dijkstra's Algorithm
- B. Prim's Algorithm
- C. Load balancing and interrupt handling
- D. all of these

Answer: D