

TCET 2026 Test Series:

Questions:

Technical

Q.1) What is a queue in data structures?

[A] A type of tree structure

[B] A linear data structure that follows Last In First Out (LIFO) principle

[C] A linear data structure that follows First In First Out (FIFO) principle

[D] A non-linear data structure

Q.2) Which of the following operations are the primary operations in a queue?

[A] Insert and Delete

[B] Push and Pop

[C] Enqueue and Dequeue

[D] Add and Remove

Q.3) In a circular queue, what happens when the rear pointer reaches the end of the queue?

[A] It stops inserting elements.

[B] It continues to grow beyond the queue size.

[C] It wraps around to the front of the queue.

[D] It shifts all elements to make space.

Q.4) Which of the following is NOT a type of queue?

[A] Simple Queue

[B] Priority Queue

[C] Circular Queue

[D] Stack Queue

Q.5) In a priority queue, elements are dequeued based on:

[A] First In First Out (FIFO)

[B] Last In First Out (LIFO)

[C] Their priority

[D] Random order

Q.6) Which of the following is the correct representation of a queue?

[A] Linear list where insertion is allowed at one end and deletion is allowed at the other end

[B] Linear list where both insertion and deletion occur at the same end

[C] Non-linear list where insertion and deletion are random

[D] Linear list where insertion and deletion occur anywhere

Q.7) What happens when a queue is full?

[A] Overflow condition

[B] Underflow condition

[C] Circular queue starts automatically

[D] Queue resizes automatically

Q.8) Which data structure is typically used for implementing a queue?

[A] Stack

[B] Linked List

[C] Hash Table

[D] Binary Tree

Q.9) Which application is NOT suitable for queues?

[A] Task scheduling

[B] Breadth-first search (BFS) in a graph

[C] Undo functionality in a text editor

[D] Printer job scheduling

Q.10) What is the main advantage of using a circular queue over a regular queue?

[A] It is faster to implement.

[B] It requires less memory for storing elements.

[C] It efficiently utilizes memory by reusing empty spaces.

[D] It does not require pointers for implementation

TCET 2026 Test Series:

Answers:

Technical

Q.1)C Q.2)C Q.3)C Q.4)D Q.5)C Q.6)A Q.7)A Q.8)B Q.9)C Q.10)C

TCET 2026 Test Series:

Explanations:

Technical

Q.1) Explanation:

Multiple Choice Type Question: ** Explanation not Available **

Q.2) Explanation:
Multiple Choice Type Question: ** Explanation not Available **

Q.3) Explanation:
Multiple Choice Type Question: ** Explanation not Available **

Q.4) Explanation:
Multiple Choice Type Question: ** Explanation not Available **

Q.5) Explanation:
Multiple Choice Type Question: ** Explanation not Available **

Q.6) Explanation:
Multiple Choice Type Question: ** Explanation not Available **

Q.7) Explanation:
Multiple Choice Type Question: ** Explanation not Available **

Q.8) Explanation:
Multiple Choice Type Question: ** Explanation not Available **

Q.9) Explanation:
Multiple Choice Type Question: ** Explanation not Available **

Q.10) Explanation:
Multiple Choice Type Question: ** Explanation not Available **

TCET 2026 Test Series:

Answers And Explanations:

Technical

Q.1) C
Explanation:
Multiple Choice Type Question: ** Explanation not Available **

Q.2) C
Explanation:
Multiple Choice Type Question: ** Explanation not Available **

Q.3) C
Explanation:
Multiple Choice Type Question: ** Explanation not Available **

Q.4) D
Explanation:
Multiple Choice Type Question: ** Explanation not Available **

Q.5) C
Explanation:
Multiple Choice Type Question: ** Explanation not Available **

Q.6) A
Explanation:
Multiple Choice Type Question: ** Explanation not Available **

Q.7) A
Explanation:

Multiple Choice Type Question: ** Explanation not Available **

Q.8) B

Explanation:

Multiple Choice Type Question: ** Explanation not Available **

Q.9) C

Explanation:

Multiple Choice Type Question: ** Explanation not Available **

Q.10) C

Explanation:

Multiple Choice Type Question: ** Explanation not Available **