

TCET 2026 Test Series:

Questions:

Technical

Q.1) Which of the following methods is used to remove the top element from a stack in Python?

[A] pop()

[B] push()

[C] remove()

[D] top()

Q.2) What will the pop() method return when called on an empty stack in Python?

[A] None

[B] An exception

[C] false

[D] 0

Q.3) Which data structure is typically used to implement recursion internally?

[A] Queue

[B] Array

[C] Stack

[D] Linked List

Q.4) What does the following Python code do?

```
stack = []

stack.append(10)

stack.append(20)

stack.pop()

print(stack)
```

[A] prints [10, 20]

[B] prints [20]

[C] prints [10]

[D] prints []

Q.5) Which of these is not a valid operation for a stack?

[A] push

[B] peek

[C] dequeue

[D] pop

Q.6) Which of the following is a "last-in, first-out" data structure?

[A] Queue

[B] Linked List

[C] Stack

[D] Heap

Q.7) If a stack has elements [5, 6, 7] and we perform a pop() operation, what will be the result?

[A] [5, 6]

[B] [5, 6, 7]

[C] [6, 7]

[D] [7]

Q.8) Which of the following operations can result in stack overflow?

[A] pop()

[B] push()

[C] peek()

[D] isEmpty()

Q.9) Which Python module provides a built-in implementation of a stack?

[A] queue

[B] collections

[C] dequeue

[D] stack

Q.10) What is the primary purpose of Object-Oriented Programming?

[A] Speed up code execution

[B] Improve memory management

[C] Organize code into reusable objects

[D] None of the above

Q.11) In Python, how is a class defined?

[A] def ClassName:

[B] class ClassName:

[C] class(ClassName):

[D] define ClassName:

Q.12) What does the self keyword represent in Python classes?

[A] The class itself

[B] The current object instance

[C] A global variable

[D] A static method

Q.13) Which method is called automatically when an object is created in Python?

[A] `_init_()`

[B] `__new()__`

[C] `__create()__`

[D] `__start()__`

Q.14) Which of the following is an example of encapsulation?

[A] Defining private variables and accessing them via getter/setter methods

[B] Inheriting properties of one class into another

[C] Overloading a function in Python

[D] Declaring global variables

Q.15) What is the correct way to inherit a class in Python?

[A] class Child inherits Parent

[B] class Child:Parent:

[C] class Child(Parent):

[D] class Child -> Parent

Q.16) What does the `@staticmethod` decorator indicate in a Python class?

[A] The method is static and doesn't need `self` or `cls`

[B] The method modifies class variables

[C] The method must be overridden in subclasses

[D] The method is only accessible via an object

Q.17) Which of the following correctly implements polymorphism in Python?

[A] Overloading operators or functions

[B] Inheriting from a base class

[C] Declaring private methods

[D] None of the above

Q.18) What does the following Python code demonstrate? `class A: def show(self): print("A") class B(A): def show(self): print("B") obj = B()`

[A] Encapsulation

[B] Inheritance

[C] Method Overriding

[D] Polymorphism

Q.19) Which keyword is used to access the superclass in Python?

[A] `super()`

[B] Base()

[C] parent()

[D] inherit()

Q.20) Which is not a data structure from below

[A] Arrays

[B] Stack

[C] Tree

[D] Graph

TCET 2026 Test Series:

Answers:

Technical

Q.1)A Q.2)B Q.3)C Q.4)C Q.5)C Q.6)C Q.7)A Q.8)B Q.9)C Q.10)C Q.11)B Q.12)B Q.13)A Q.14)A Q.15)C
Q.16)A Q.17)A Q.18)C Q.19)A Q.20)A

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 **

Q.11) Explanation:

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

Q.12) Explanation:

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

Q.13) Explanation:

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

Q.14) Explanation:

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

Q.15) Explanation:

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

Q.16) Explanation:

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

Q.17) Explanation:

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

Q.18) Explanation:

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

Q.19) Explanation:

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

Q.20) Explanation:

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

TCET 2026 Test Series:

Answers And Explanations:

Technical

Q.1) A

Explanation:

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

Q.2) B

Explanation:

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

Q.3) C

Explanation:

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

Q.4) C

Explanation:

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

Q.5) C

Explanation:

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

Q.6) C

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 **

Q.11) B

Explanation:

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

Q.12) B

Explanation:

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

Q.13) A

Explanation:

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

Q.14) A

Explanation:

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

Q.15) C

Explanation:

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

Q.16) A

Explanation:

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

Q.17) A

Explanation:

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

Q.18) C

Explanation:

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

Q.19) A

Explanation:

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

Q.20) A

Explanation:

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