

TCET 2026 Test Series:

Questions:

Technical

Q.1) What is an object in OOP?

[A] A function

[B] A data type

[C] An instance of a class

[D] A keyword

Q.2) What is encapsulation in OOP?

[A] Protecting properties of class

[B] Inheriting properties

[C] Having multiple forms

[D] Breaking code into functions

Q.3) What is inheritance in OOP?

[A] Creating objects

[B] Deriving a class from another class

[C] Hiding data

[D] Binding data together

Q.4) What is polymorphism in OOP?

[A] Having multiple constructors

[B] Having multiple forms

[C] Binding data with methods

[D] Creating objects

Q.5) What is the purpose of the __init__ method in Python?

[A] Deletes an object

[B] Initializes an object

[C] Hides data

[D] Inherits properties

Q.6) Which keyword is used to create an object in Python?

[A] new

[B] create

[C] self

[D] No keyword is needed

Q.7) What is abstraction in OOP?

[A] Showing only essential details

[B] Deriving a new class

[C] Having multiple functions

[D] Binding data and methods

Q.8) What is a class?

[A] A function

[B] A blueprint for objects

[C] An instance of an object

[D] A variable

Q.9) What does the self keyword represent?

[A] The class name

[B] The instance of the class

[C] A global variable

[D] A static method

Q.10) What is a method in a class?

[A] A variable

[B] A function defined in a class

[C] A class property

[D] A keyword

Q.11) What is a constructor in OOP?

[A] A method that creates objects

[B] A method that initializes objects

[C] A method that deletes objects

[D] A function

Q.12) What is a destructor in OOP?

[A] A method that initializes objects

[B] A method that deletes objects

[C] A method that creates objects

[D] A class property

Q.13) How do you declare a private attribute in Python?

[A] Using a single underscore _var

[B] Using double underscores __var

[C] Using triple underscores ___var

[D] Using no underscore

Q.14) What is multiple inheritance?

[A] Inheriting from one class

[B] Inheriting from two or more classes

[C] Inheriting the same class multiple times

[D] Inheriting from an abstract class

Q.15) What is method overloading?

[A] Defining methods with the same name

[B] Overriding a method in a subclass

[C] Defining multiple constructors

[D] Creating new objects

Q.16) What is method overriding?

[A] Defining methods with the same name

[B] Redefining a method in a subclass

[C] Creating new objects

[D] Hiding a method

Q.17) What is a static method in a class?

[A] A method that doesn't require self

[B] A method that initializes objects

[C] A method that deletes objects

[D] A method that inherits properties

Q.18) What is the purpose of the super() function?

[A] Calls the parent class constructor

[B] Deletes the parent class

[C] Returns the subclass instance

[D] Calls the subclass constructor

Q.19) What does isinstance() check?

[A] If a variable is a class

[B] If a variable is an instance of a class

[C] If a variable is a function

[D] If a variable is a method

Q.20) What does the @property decorator do?

[A] Declares a private method

[B] Declares a read-only property

[C] Declares a static method

[D] Declares an abstract method

Q.21) What is a class variable?

[A] A variable defined inside a method

[B] A variable shared by all instances

[C] A variable defined outside the class

[D] A variable unique to each instance

Q.22) What is an instance variable?

[A] A variable defined inside a method

[B] A variable defined for the class

[C] A variable unique to each object

[D] A variable defined outside the class

Q.23) What is the main purpose of OOP?

[A] To create reusable code

[B] To create procedural code

[C] To create faster code

[D] To create more variables

Q.24) What is the result of encapsulation?

[A] Code duplication

[B] Data hiding

[C] Faster execution

[D] More variables

Q.25) What is a mixin in Python?

[A] A method

[B] A design pattern

[C] A type of class

[D] A function

Q.26) Which keyword is used to inherit a class?

[A] super

[B] self

[C] inherit

[D] None of the above

Q.27) What is duck typing in Python?

[A] Checking type of a variable

[B] Checking behavior rather than type

[C] A type of inheritance

[D] A type of abstraction

Q.28) What is the purpose of the __str__ method?

[A] Convert the object to a string

[B] Delete the object

[C] Initialize the object

[D] Copy the object

Q.29) What is an abstract class?

[A] A class with no methods

[B] A class that cannot be instantiated

[C] A class with static methods

[D] A class with only private variables

Q.30) What is the purpose of the __del__ method?

[A] Initializes an object

[B] Deletes an object

[C] Creates an object

[D] Copies an object

Q.31) What is a metaclass in Python?

[A] A class of classes

[B] A method of classes

[C] A subclass of a class

[D] A function in a class

Q.32) What is composition in OOP?

[A] Creating objects

[B] Using other classes within a class

[C] Deleting objects

[D] Inheriting classes

Q.33) What is the difference between is and == in Python?

[A] No difference

[B] is checks identity, == checks value

[C] is checks value, == checks type

[D] Both check type

Q.34) How do you create a class method in Python?

[A] Using @staticmethod

[B] Using @classmethod

[C] Using @property

[D] Using @method

Q.35) What is the purpose of __repr__ method?

[A] For readable string representation

[B] For debugging string representation

[C] For copying objects

[D] For deleting objects

Q.36) What is the primary benefit of inheritance?

[A] Code reusability

[B] Data hiding

[C] Faster execution

[D] Code duplication

Q.37) What is the purpose of the __dict__ attribute in a class?

[A] Stores methods of the class

[B] Stores instance attributes

[C] Stores private variables

[D] Stores class name

Q.38) Which keyword is used to declare a class attribute?

[A] self

[B] class

[C] cls

[D] global

Q.39) What is an interface in OOP?

[A] A class with only private attributes

[B] A class with method definitions only

[C] A subclass

[D] A function

Q.40) What is the role of a destructor?

[A] Initializes objects

[B] Deletes objects

[C] Copies objects

[D] Modifies objects

Q.41) What does the term “instance” refer to in OOP?

[A] The blueprint of a class

[B] A method in a class

[C] An object created from a class

[D] A variable in a class

Q.42) What is the purpose of the __call__ method in a class?

[A] Makes an object callable

[B] Deletes an object

[C] Initializes an object

[D] Copies an object

Q.43) How do you prevent a class from being inherited?

[A] Using private

[B] Using sealed

[C] Using final

[D] Using __init__

Q.44) What is the main difference between a class and an object?

[A] A class is an instance of an object

[B] An object is a blueprint

[C] A class is a blueprint; an object is an instance

[D] They are the same

Q.45) What is a singleton class?

[A] A class with multiple instances

[B] A class with only one instance

[C] A class with no instances

[D] A class with private attributes

Q.46) What does the term “object identity” mean?

[A] The type of the object

[B] The memory address of the object

[C] The value of the object

[D] The name of the object

Q.47) What is the purpose of the __new__ method in Python?

[A] Initializes an object

[B] Deletes an object

[C] Creates a new instance of a class

[D] Modifies an object

Q.48) What is the purpose of the __slots__ attribute in a class?

[A] Limits instance attributes

[B] Increases the size of the class

[C] Adds new methods

[D] Deletes class attributes

Q.49) What is method resolution order (MRO)?

[A] The order in which methods are defined

[B] The order in which methods are called

[C] The order in which classes are inherited

[D] The order in which attributes are accessed

Q.50) What is the role of an abstract method in a class?

[A] Initializes objects

[B] Defines a method without implementation

[C] Deletes objects

[D] Copies objects

TCET 2026 Test Series:

Answers:

Technical

Q.1)C	Q.2)A	Q.3)B	Q.4)B	Q.5)B	Q.6)D	Q.7)A	Q.8)B	Q.9)B	Q.10)B	Q.11)B	Q.12)B	Q.13)B	Q.14)B	Q.15)A
Q.16)B	Q.17)A	Q.18)A	Q.19)B	Q.20)B	Q.21)B	Q.22)C	Q.23)A	Q.24)B	Q.25)C	Q.26)D	Q.27)B	Q.28)A	Q.29)B	
Q.30)B	Q.31)A	Q.32)B	Q.33)B	Q.34)B	Q.35)B	Q.36)A	Q.37)B	Q.38)C	Q.39)B	Q.40)B	Q.41)C	Q.42)A	Q.43)C	
Q.44)C	Q.45)B	Q.46)B	Q.47)C	Q.48)A	Q.49)C	Q.50)B								

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:
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Q.49) Explanation:
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Q.50) 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) A
Explanation:
Multiple Choice Type Question: ** Explanation not Available **

Q.3) B
Explanation:

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

Q.4) B

Explanation:

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

Q.5) B

Explanation:

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

Q.6) D

Explanation:

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Q.7) A

Explanation:

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Q.8) B

Explanation:

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Q.9) B

Explanation:

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Q.10) B

Explanation:

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Q.11) B

Explanation:

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Q.12) B

Explanation:

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

Q.13) B

Explanation:

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

Q.14) B

Explanation:

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

Q.15) A

Explanation:

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

Q.16) B

Explanation:

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

Q.17) A

Explanation:

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

Q.18) A

Explanation:

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

Q.19) B

Explanation:

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

Q.20) B
Explanation:
Multiple Choice Type Question: ** Explanation not Available **

Q.21) B
Explanation:
Multiple Choice Type Question: ** Explanation not Available **

Q.22) C
Explanation:
Multiple Choice Type Question: ** Explanation not Available **

Q.23) A
Explanation:
Multiple Choice Type Question: ** Explanation not Available **

Q.24) B
Explanation:
Multiple Choice Type Question: ** Explanation not Available **

Q.25) C
Explanation:
Multiple Choice Type Question: ** Explanation not Available **

Q.26) D
Explanation:
Multiple Choice Type Question: ** Explanation not Available **

Q.27) B
Explanation:
Multiple Choice Type Question: ** Explanation not Available **

Q.28) A
Explanation:
Multiple Choice Type Question: ** Explanation not Available **

Q.29) B
Explanation:
Multiple Choice Type Question: ** Explanation not Available **

Q.30) B
Explanation:
Multiple Choice Type Question: ** Explanation not Available **

Q.31) A
Explanation:
Multiple Choice Type Question: ** Explanation not Available **

Q.32) B
Explanation:
Multiple Choice Type Question: ** Explanation not Available **

Q.33) B
Explanation:
Multiple Choice Type Question: ** Explanation not Available **

Q.34) B
Explanation:
Multiple Choice Type Question: ** Explanation not Available **

Q.35) B
Explanation:
Multiple Choice Type Question: ** Explanation not Available **

Q.36) A
Explanation:

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

Q.37) B

Explanation:

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

Q.38) C

Explanation:

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

Q.39) B

Explanation:

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

Q.40) B

Explanation:

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

Q.41) C

Explanation:

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

Q.42) A

Explanation:

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

Q.43) C

Explanation:

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

Q.44) C

Explanation:

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

Q.45) B

Explanation:

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

Q.46) B

Explanation:

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

Q.47) C

Explanation:

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

Q.48) A

Explanation:

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

Q.49) C

Explanation:

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

Q.50) B

Explanation:

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