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Python Programming Multiple Choice Question

Object Oriented Programming

1. Which of the following is correct with respect to OOP concept in Python? [ ]

A. Objects are real world entities while classes are not real.  
B. Classes are real world entities while objects are not real.  
C. Both objects and classes are real world entities.  
D. Both object and classes are not real.

2. How many objects and reference variables are there for the given Python code? [ ]

class A:

print("Inside class")

A()

A()

obj=A()

A. 2 and 1  
B. 3 and 3  
C. 3 and 1  
D. 3 and 2

3. Which of the following is False with respect Python code? [ ]

class Student:

def \_\_init\_\_(self,id,age):  
 self.id=id  
 self.age=age  
std=Student(1,20)  
A. "std" is the reference variable for object Student(1,20)  
B. id and age are called the parameters.  
C. Every class must have a constructor.  
D. None of the above

4. What will be the output of below Python code? [ ]

class Student:

def \_\_init\_\_(self,name,id):  
 self.name=name  
 self.id=id  
 print(self.id)  
std=Student("Simon",1)  
std.id=2  
print(std.id)

A. 1  
    1  
B. 1  
    2  
C. 2  
    1  
D. 2  
    2

5. What will be the output of below Python code? [ ]

class A():

def \_\_init\_\_(self,count=100):

self.count=count

obj1=A()

obj2=A(102)

print(obj1.count)

print(obj2.count)

A. 100  
    100  
B. 100  
    102  
C. 102  
    102  
D. Error

6. Which of the following is correct? [ ]

class A:

def \_\_init\_\_(self,name):

self.name=name

a1=A("john")

a2=A("john")

A. id(a1) and id(a2) will have same value.  
B. id(a1) and id(a2) will have different values.  
C. Two objects with same value of attribute cannot be created.  
D. None of the above

7. Which of the following is correct? [ ]

class A:

def \_\_init\_\_(self):

self.count=5

self.count=count+1

a=A()

print(a.count)

A. 5  
B. 6  
C. 0  
D. Error

8. Which of the following is correct? [ ]

class Book:

def \_\_init\_\_(self,author):

self.author=author

book1=Book("V.M.Shah")

book2=book1

A. Both book1 and book2 will have reference to two different objects of class Book.  
B. id(book1) and id(book2) will have same value.  
C. It will throw error as multiple references to same object is not possible.  
D. None of the above

View Answer

9. In python, what is method inside class? [ ]

A. attribute  
B. object  
C. argument  
D. function

10. What will be the output of below Python code? [ ]

class A:

def \_\_init\_\_(self,num):

num=3

self.num=num

def change(self):

self.num=7

a=A(5)

print(a.num)

a.change()

print(a.num)

A. 5  
     7  
B. 5  
     5  
C. 3  
     3  
D. 3  
     7

11. To create a class, use the keyword? [ ]

A. new  
B. except   
C. class  
D. object

12. All classes have a function called? [ ]

A. \_\_init\_\_  
B. \_\_init\_\_()  
C. init  
D. init()

1 3. The \_\_\_\_\_\_\_\_\_\_ parameter is a reference to the current instance of the class, and is used to access variables that belong to the class. [ ]

1. \_\_init\_\_()  
   B. self  
   C. both A and B  
   D. None of the above

14. You can delete properties on objects by using the \_\_\_\_\_\_ keyword. [ ]

A. delete  
B. dedl  
C. del  
D. drop

15. A variable that is defined inside a method and belongs only to the current instance of a class is known as? [ ]

A. Inheritance   
B. Instance variable  
C. Function overloading  
D. Instantiation

16. A class variable or instance variable that holds data associated with a class and its object is known as? [ ]

A. Class variable  
B. Method   
C. Operator overloading  
D. Data member

17. What will be output for the folllowing code? [ ]  
 class test:

def \_\_init\_\_(self,a):

self.a=a

def display(self):

print(self.a)

obj=test()

obj.display()

A. Runs normally, doesn’t display anything  
B. Displays 0, which is the automatic default value  
C. Error as one argument is required while creating the object  
D. Error as display function requires additional argument

18. \_\_\_\_\_ represents an entity in the real world with its identity and behaviour. [ ]

A. A method  
B. An object  
C. A class  
D. An operator

19. The class has a documentation string, which can be accessed via? [ ]  
A. ClassName  
B. ClassName \_\_doc\_\_  
C. \_\_doc\_\_  
D. ClassName.\_\_doc\_\_

20. which is not a type of Inheritance [ ]

A .Multi-level

B. Multiple

C. Single

D. Double