

AMCAT Abstraction Questions

Question 1

How many instances of an abstract class can be created?

- A.1
- B.5
- C.13
- D.0

Answer: Option D

Question 2

Which of the following is an abstract data type?

- A.int
- B. double
- C. string
- D. Class

Answer: Option D

Question 3

Which of the following concepts of OOPS means exposing only necessary information to client?

- A. Abstraction
- B. Encapsulation
- C. Data hiding
- D. Data binding

Answer: Option D

Question 4

Which of the following cannot be inherited?

- A. Friend
- B. Static
- C. Destructor
- D. None of the above

Answer: Option B

Question 5

Which type of inheritance needs a virtual function:

- A. Multi level inheritance
- B. Multiple inheritance
- C. Hybrid inheritance

D. All the above

Answer: Option D

Question 6

A virtual function that has no definition within the base class is called?

A. Pure virtual function

B. Pure static function

C. Pure Const function

D. Virtual Function

Answer: Option A

Question 7

Syntax for Pure Virtual Function is?

A. virtual void show()==0

B. void virtual show()==0

C. virtual void show()=0

D. void virtual show()=0

Answer: Option A

Question 8

How will a class protect the code inside it?

A. Using Access specifiers

B. Abstraction

C. Use of Inheritance

D. All of the mentioned

Answer: Option A

Explanation: Each method or variable in a class may be marked 'public' or 'private'. They are called Access Specifiers.

Question 9

Shankar works all night long writing code and writing more and more classes for each object he now thinks that he can write a superclass which defines some hierarchical feature for other classes, what can he use?

A. Cascading

B. Hierarchical Super Positioning

C. Inheritance

D. Polymorphism

Answer: Option C

Question 10

Pooja wants to write code for his computer class homework but he had misheard the teacher and only can recollect remembering this 4 words. Which of the following is what he couldn't have had heard?

- A. Distributive
- B. Multilevel
- C. Multiple
- D. Hierarchical

Answer: Option A