

AMCAT Encapsulation Questions

Question 1

Which of the following statements is correct when a class is inherited publicly?

- A. Public members of the base class become protected members of derived class.
- B. Public members of the base class become private members of derived class.
- C. Private members of the base class become protected members of derived class.
- D. Public members of the base class become public members of derived class.

Answer: Option D

Question 2

Which of the following statements about virtual base classes is correct?

- A. It is used to provide multiple inheritance.
- B. It is used to avoid multiple copies of base class in derived class.
- C. It is used to allow multiple copies of base class in a derived class.
- D. It allows private members of the base class to be inherited in the derived class.

Answer: Option B

Question 3

Encapsulation is?

- A. Binds together code and data
- B. Using single interface for general class of actions.
- C. Reduce Complexity
- D. All above

Answer: Option A

Question 4

Which of the following concepts means wrapping up of data and functions together?

- A. Abstraction
- B. Encapsulation
- C. Inheritance
- D. None

Answer: Option B

Question 5

Which of the following are available only in the class hierarchy chain?

- A. Public data members
- B. Private data members
- C. Protected data members

D. Member functions

Answer: Option C

Question 6

Palak enters a coding competition she wants to write code to pass down values from one class to another?

- A. Inherits
- B. extends
- C. Construct
- D. all of the mentioned

Answer: Option B

Question 7

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

Question 8

Which of the following concepts means wrapping up of data and functions together?

- A. Abstraction
- B. Encapsulation
- C. Inheritance
- D. Polymorphism

Answer: Option B

Question 9

Which of the following access specifiers is used in a class definition by default?

- A. Protected
- B. Public
- C. Private
- D. Friend

Answer: Option C

Question 10

Which of the following can access private data members or member functions of a class?

- A. Any function in the program.
- B. All global functions in the program.

C. Any member function of that class.

D. Only public member functions of that class.

Answer: Option C