

AMCAT Polymorphism Questions

Question 1

C++ supports run time polymorphism with the help of virtual functions, which is called binding?

- A. dynamic
- B. run time
- C. early binding
- D. static

Answer: Option A

Question 2

Which of the following operator is overloaded for object cout?

- A. +
- B. >>
- C. <<
- D. =
- E. ()

Answer: Option B

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

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 5

Find the wrong statement/s about Abstract Class?

- A. We can't create its objects.
- B. We can't create pointers to an abstract class.
- C. It contains at least one pure virtual function.
- D. We can create references to an abstract class

Answer: Option B

Explanation: We can't create pointers to an abstract class.

Question 6

Which of the following correctly describes overloading of functions?

- A. Virtual polymorphism
- B. Ad-hoc polymorphism
- C. Transient polymorphism
- D. Pseudo polymorphism

Answer: Option B

Question 7

The operator << when overloaded in a class

- A. must be a member function
- B. must be a non member function
- C. can be both (A) & (B) above
- D. cannot be overloaded

Answer: Option C

Question 8

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 9

Which of the following type of data member can be shared by all instances of its class?

- A. Public
- B. Inherited
- C. Static
- D. Friend

Answer: Option C

Question 10

Which type of class allows only one object of it to be created?

- A. Virtual class
- B. Abstract class
- C. Singleton class
- D. Friend class

Answer: Option C