

Which of the following inheritance is/are not supported by Java?

- ☐ Hierarchical Inheritance
- ☐ Multi-level Inheritance
- ☐ Single Inheritance
- ✓ ☒ Multiple Inheritance

Which of the following statements is/are not true?

- ☐ Members with default access specifier cannot be inherited by sub classes in other packages
- ☐ Private methods of super class is not inherited by the sub class
- ✓ ☒ Members declared as protected in super class will be inherited only by the sub classes within the same package
- ✓ ☒ Constructor of super class is inherited by a sub class

_____ is the process in which one object can acquire the properties and behaviour of the parent object.

- ✓ ☒ Inheritance
- ☐ Encapsulation
- ☐ Abstraction
- ☐ Polymorphism

Consider this relationship - Iphone is a smart phone. Which of the following statements is/are correct for this relationship?

- ☐ class SmartPhone extends Iphone
- ☐ class SmartPhone extents Iphone
- ☐ class Iphone extents SmartPhone
- ✓ ☒ class Iphone extends SmartPhone

If a sub class has a method with the same name, parameter list and return type as declared in the parent class with a different implementation, then it will lead to _____.

- ☐ Runtime exception
- ✓ ☒ Method overriding
- ☐ Compilation error
- ☐ Method overloading

State true or false

A child class will inherit the properties and methods of the parent class and it cannot possess any special properties of its own.

- ☐ True
- ✓ ☒ False

What should be the relationship between two classes, so that inheritance relationship exists between them.

- ☐ Consists of
- ☐ Has A
- ✓ ☒ Is A
- ☐ Whole-part

State true or false

Final keyword can be used with variable and method, but not with a class.

- ☐ True
- ✓ ☒ False

_____ keyword is a reference variable that refers to the immediate parent of a class.

- ☐ extends
- ✓ ☒ super
- ☐ final
- ☐ this

Which of the following statements is/are true about super keyword?

- ☐ super() is used to invoke immediate parent class constructor
- ✓ ☒ All the given options are correct
- ☐ super keyword is used to invoke immediate parent class method
- ☐ super() should be the first statement in the constructor

How should a class be declared to make that class as 'not inheritable'?

- ☐ private
- ☒ final
- ☐ extends
- ☒ static

If a method in a super class should not be overridden by the sub class then it should be declared as _____.

- ☐ protected
- ☐ super
- ☒ final
- ☐ default