**Q 1** - What is the size of byte variable?

**A** - 8 bit

[**B** - 16 bit](javascript:void(0);)

[**C** - 32 bit](javascript:void(0);)

[**D** - 64 bit](javascript:void(0);)

Answer : A

Explaination

The byte data type is represented by an 8-bit signed two's complement integer.

Minimum value: -128

Maximum value: 127

 Show Answer

**Q 2** - Can we have multiple classes in same java file?

**A** - True

[**B** - False](javascript:void(0);)

Answer : A

Explaination

True, a java file can contain one public class and many other non-public classes.

 Hide Answer

**Q 3** - What is the default value of short variable?

[**A** - 0.0](javascript:void(0);)

**B** - 0

[**C** - null](javascript:void(0);)

[**D** - not defined](javascript:void(0);)

Answer : B

Explaination

short variable has default value of 0 if defined as an instance/static variable.

 Hide Answer

**Q 4** - Which of the following is true about protected access modifier?

[**A** - Variables, methods and constructors which are declared protected can be accessed by any class.](javascript:void(0);)

[**B** - Variables, methods and constructors which are declared protected can be accessed by any class lying in same package.](javascript:void(0);)

**C** - Variables, methods and constructors which are declared protected in the superclass can be accessed only by its child class.

[**D** - None of the above.](javascript:void(0);)

Answer : C

Explaination

Protected access modifier is used to restrict access to variables, methods and constructors to subclass only. Subclass can lie in different package.

 Hide Answer

**Q 5** - A class always has a default constructor.

**A** - True

**B** - False

Answer : B

Explaination

It is not mandatory to have a default constructor in a class.

 Hide Answer

**Q 6** - What is Set Interface?

**A** - Set is a collection of element which contains elements along with their key.

**B** - Set is a collection of element which contains hashcode of elements.

**C** - Set is a collection of element which cannot contain duplicate elements.

[**D** - Set is a collection of element which can contain duplicate elements.](javascript:void(0);)

Answer : C

Explaination

Set is a collection of element which cannot contain duplicate elements. The Set interface contains only methods inherited from Collection and adds the restriction that duplicate elements are prohibited.

 Show Answer

**Q 7** - What is NullPointerException?

**A** - A NullPointerException is thrown when calling the instance method of a null object or modifying/accessing field of a null object.

[**B** - A NullPointerException is thrown when object is set as null.](javascript:void(0);)

[**C** - A NullPointerException is thrown when object property is set as null.](javascript:void(0);)

[**D** - None of the above.](javascript:void(0);)

Answer : A

Explaination

A NullPointerException is thrown when calling the instance method of a null object or modifying/accessing field of a null object.

 Show Answer

**Q 8** - What happens when thread's yield() method is called?

**A** - Thread returns to the ready state.

[**B** - Thread returns to the waiting state.](javascript:void(0);)

[**C** - Thread starts running.](javascript:void(0);)

[**D** - None of the above.](javascript:void(0);)

Answer : A

Explaination

When a task invokes its yield() method, it returns to the ready state.

 Hide Answer

**Q 9** - Can try statements be nested?

**A** - True.

[**B** - False.](javascript:void(0);)

Answer : A

Explaination

Yes, try statements be nested.

 Show Answer

**Q 10** - What is currentThread()?

**A** - It is a Thread public static method used to obtain a reference to the current thread.

[**B** - It is a thread's instance method used to get thread count.](javascript:void(0);)

[**C** - It is a object's public static method used obtain a reference to the current thread.](javascript:void(0);)

[**D** - It is a object's instance method used to get thread count.](javascript:void(0);)

Answer : A

Explaination

currentThread() is a public static method of Thread class used to obtain a reference to the current thread.