**Q**- What is the default value of Object variable?

[**A** - undefined](javascript:void(0);)

[**B** - 0](javascript:void(0);)

**C** - null

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

Answer : C

Explaination

Object variable has default value of null if defined as an instance/static variable.

 Show Answer

**Q**- Which of the following is not a keyword in java?

[**A** - static](javascript:void(0);)

**B** - Boolean

[**C** - void](javascript:void(0);)

[**C** - private](javascript:void(0);)

Answer : B

Explaination

Boolean is a class and is not a keyword.

 Show Answer

**Q**- What is Set Interface?

[**A** - Set is a collection of element which contains elements along with their key.](javascript:void(0);)

[**B** - Set is a collection of element which contains hashcode of elements.](javascript:void(0);)

[**C** - Set is a collection of element which cannot contain duplicate elements.](javascript:void(0);)

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

 Show Answer

**Q**- What is the size of float variable?

[**A** - 8 bit](javascript:void(0);)

[**B** - 16 bit](javascript:void(0);)

**C** - 32 bit

[**D** - 64 bit](javascript:void(0);)

Answer : C

Explaination

The float data type is represented by single-precision 32-bit IEEE 754 floating point.

 Show Answer

**Q**- Which of the following is a thread safe?

[**A** - StringBuilder](javascript:void(0);)

**B** - StringBuffer

[**C** - Both of the above](javascript:void(0);)

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

Answer : B

Explaination

StringBuffer is thread safe.

 Show Answer

**Q**- Is it necessary that each try block must be followed by a finally block?

[**A** - True.](javascript:void(0);)

**B** - False.

Answer : B

Explaination

It is not necessary that each try block must be followed by a finally block. It should be followed by either a catch block or a finally block.

 Show Answer

**Q**- What is an applet?

**A** - An applet is a Java program that runs in a Web browser.

[**B** - Applet is a standalone java program.](javascript:void(0);)

[**C** - Applet is a tool.](javascript:void(0);)

[**D** - Applet is a run time environment.](javascript:void(0);)

Answer : A

Explaination

An applet is a Java program that runs in a Web browser.

 Show Answer

**Q**- What is runtime polymorphism?

**A** - Runtime polymorphism is a process in which a call to an overridden method is resolved at runtime rather than at compile-time.

[**B** - Runtime polymorphism is a process in which a call to an overloaded method is resolved at runtime rather than at compile-time.](javascript:void(0);)

[**C** - Both of the above.](javascript:void(0);)

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

Answer : A

Explaination

Runtime polymorphism or dynamic method dispatch is a process in which a call to an overridden method is resolved at runtime rather than at compile-time. In this process, an overridden method is called through the reference variable of a superclass.

 Show Answer

**Q**- 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**- What is synchronization?

**A** - Synchronization is the capability to control the access of multiple threads to shared resources.

[**B** - Synchronization is the process of writing the state of an object to another object.](javascript:void(0);)

[**C** - Synchronization is the process of writing the state of an object to byte stream.](javascript:void(0);)

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

Answer : A

Explaination

Synchronization is the capability to control the access of multiple threads to shared resources. synchronized keyword in java provides locking which ensures mutual exclusive access of shared resource and prevent data race.

 Show Answer

**Q**- What kind of variables a class can consist of?

[**A** - class variables, instance variables](javascript:void(0);)

**B** - class variables, local variables, instance variables

[**C** - class variables](javascript:void(0);)

[**D** - class variables, local variables](javascript:void(0);)

Answer : B

Explaination

A class consist of Local variable, instance variables and class variables.

 Show Answer

**Q**- Which method must be implemented by all threads?

[**A** - wait()](javascript:void(0);)

[**B** - start()](javascript:void(0);)

[**C** - stop()](javascript:void(0);)

**D** - run()

Answer : D

Explaination

All threads must implement the run() method.

 Show Answer

**Q**- What is the default value of byte variable?

**A** - 0

[**B** - 0.0](javascript:void(0);)

[**C** - null](javascript:void(0);)

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

Answer : A

Explaination

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

 Show Answer

**Q**- What is JIT compiler?

**A** - JIT improves the runtime performance of computer programs based on bytecode.

[**B** - JIT is an application development framework.](javascript:void(0);)

[**C** - JIT is an implementation of the Java Virtual Machine which executes Java programs.](javascript:void(0);)

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

Answer : A

Explaination

JIT, Just In-Time Compiler, improves the runtime performance of computer programs based on bytecode.

 Show Answer

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

**A** - 0.0

[**B** - 0](javascript:void(0);)

[**B** - null](javascript:void(0);)

[**B** - undefined](javascript:void(0);)

 Show Answer

**Q**- 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**- What is the default value of char variable?

**A** - '\u0000'

[**B** - 0](javascript:void(0);)

[**C** - null](javascript:void(0);)

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

Answer : A

Explaination

char variable has default value of '\u0000' if defined as an instance/static variable.

 Show Answer

**Q**- What is correct syntax for main method of a java class?

[**A** - public static int main(String[] args)](javascript:void(0);)

[**B** - public int main(String[] args)](javascript:void(0);)

**C** - public static void main(String[] args)

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

Answer : C

Explaination

Correct syntax is public static void main(String[] args).

 Show Answer

**Q**- What is static block?

[**A** - It is used to create syncronized code.](javascript:void(0);)

[**B** - There is no such block.](javascript:void(0);)

**C** - It is used to initialize the static data member., It is excuted before main method at the time of class loading.

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

Answer : C

Explaination

static block is used to initialize the static data member.It is executed before main method at the time of loading of a class.

 Show Answer

**Q**- What is function overloading?

**A** - Methods with same name but different parameters.

[**B** - Methods with same name but different return types.](javascript:void(0);)

[**C** - Methods with same name, same parameter types but different parameter names.](javascript:void(0);)

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

Answer : A

Explaination

If a class has multiple functions by same name but different parameters, it is known as Method Overloading.