COREJAVARANDOMTEST

#### **Ques 1 :**

#### **What would happen when the following is compiled and executed. Select the one correct answer.**

#### 

#### **public class Compare {**

#### **public static void main(String args[]) {**

#### **int x = 10, y;**

#### **if(x < 10)**

#### **y = 1;**

#### **if(x>= 10) y = 2;**

#### **System.out.println("y is " + y);**

#### **}**

#### **}**

(A) The program compiles and prints y is 0 when executed.

(B) The program compiles and prints y is 1 when executed.

(C) The program compiles and prints y is 2 when executed.

(D) The program does not compile complaining about y not being initialized.

#### **Ques 2 : The class Hashtable is used to implement which collection interface. Select the one correct answer.**

(A) List

(B) Set

(C) Map

(D) SortedSet

#### **Ques 3 :**

#### **Which of the following statements is true?**

(A) The default char data type is a space( â?? â?? ) character.

(B) The default integer data type is â??longâ?? and real data type is â??floatâ??

(C) The default integer data type is â??intâ?? and real data type is â??doubleâ??

(D) The default integer data type is â??intâ?? and real data type is â??floatâ??

#### **Ques 4 :**

#### **The class java.lang.Exception is ?**

(A) protected

(B) implements Throwable

(C) serializable

(D) extends Throwable

#### **Ques 5 : Which of the following is not a return type?**

(A) boolean

(B) void

(C) public

(D) Button

#### **Ques 6 : What is the meaning of the return data type void?**

(A) An empty memory space is returned so that the developers can utilize it.

(B) void is not supported in Java

(C) void returns no data type.

(D) null

#### **Ques 7 :**

#### **public Class returnData**

#### **{**

#### **<returnType> getData(byte a, double z)**

#### **{**

#### **Rreturn (short)a/z \* 10;**

#### **}**

#### **}**

#### **What is valid returnType for getData?**

(A) Short

(B) Byte

(C) Int

(D) Double

#### **Ques 8 :**

#### **Which of the following is a Java keyword. Select the four correct answers.**

#### **a. extern**

#### **b. synchronized**

#### **c. volatile**

#### **d. friend**

#### **e. friendly**

#### **f. transient**

#### **g. this**

#### **h. then**

(A) b, c

(B) b, c, f, g

(C) e, g, h

(D) all of above.

#### **Ques 9 :**

#### **What is the range of values that can be specified for an int. Select the one correct answer.**

(A) The range of values is compiler dependent.

(B) -231 to 231 - 1

(C) 231-1 to 231

(D) -215 to 215 - 1

#### **Ques 10 :**

#### **How can you ensure that the memory allocated by an object is freed. Select the one correct answer.**

(A) By invoking the free method on the object.

(B) By calling system.gc() method.

(C) By setting all references to the object to new values (say null).

(D) Garbage collection cannot be forced. The programmer cannot force the JVM to free the memory used by an object.

#### **Ques 11 :**

#### **What happens when the following program is compiled and executed with the command - java test. Select the one correct answer.**

#### **class test**

#### **{**

#### **public static void main(String args[])**

#### **{**

#### **if(args.length > 0)**

#### **System.out.println(args.length);**

#### **}**

#### **}**

(A) The program compiles and runs but does not print anything.

(B) The program compiles and runs and prints 0

(C) The program compiles and runs and prints 1

(D) The program compiles and runs and prints 2

#### **Ques 12 :**

#### **What gets printed on the standard output when the class below is compiled and executed. Select the one correct answer.**

#### 

#### **public class ShortCkt {**

#### **public static void main(String args[]) {**

#### **int i = 0;**

#### **boolean t = true;**

#### **boolean f = false, b;**

#### **b = (t | ((i++) == 0));**

#### **b = (f | ((i+=2) > 0));**

#### **System.out.println(i);**

#### **}**

#### **}**

(A) 0

(B) 1

(C) 2

(D) 3

#### **Ques 13 :**

#### **What kind of thread is the Garbage collector thread is?**

(A) Non daemon thread

(B) Daemon thread

(C) Thread with dead state

(D) None of the above

#### **Ques 14 :**

#### **Which of the following are correct. Select all correct answers.**

(A) Java provides two operators to do left shift - << and <<<.

(B) >> is the zero fill right shift operator.

(C) >>> is the signed right shift operator.

(D) For positive numbers, results of operators >> and >>> are same.

#### **Ques 15 : Which of the following are keywords in Java.**

(A) implement

(B) friend

(C) NULL

(D) synchronized

#### **Ques 16 :**

#### **Which of the following statements are correct. Select the four correct answers.**

#### **a. A Java program must have a package statement.**

#### **b. A package statement if present must be the first statement of the program (barring any comments).**

#### **c. If a Java program defines both a package and import statement, then the import statement must come before the package statement.**

#### **d. An empty file is a valid source file.**

#### **e. A Java file without any class or interface definitions can also be compiled.**

#### **f. If an import statement is present, it must appear before any class or interface definitions.**

(A) b, d, e, f

(B) a, b, d, f

(C) d, e, a, c

(D) c, d, b, a

#### **Ques 17 :**

#### **What gets printed when the following program is compiled and run. Select the one correct answer.**

#### 

#### 

#### **public class test {**

#### **public static void main(String args[]) {**

#### **byte x = 3;**

#### **x = (byte)~x;**

#### **System.out.println(x);**

#### **}**

#### **}**

(A) 0

(B) 3

(C) -4

(D) none of these

#### **Ques 18 :**

#### **Which cannot directly cause a thread to stop executing?**

(A) Calling the notify method on an object.

(B) Calling the start method on another Thread object.

(C) Calling a yield method.

(D) Calling wait method on an object.

#### **Ques 19 :**

#### **What is the value of â??numberâ?? after the following code fragment execution?**

#### 

#### **int number = 0;**

#### **int number2 = 12**

#### **while (number < number2)**

#### **{**

#### **number = number + 1;**

#### **}**

(A) 5

(B) 12

(C) 13

(D) 21

#### **Ques 20 :**

#### **What will be the output of the program?**

#### **public class X**

#### **{**

#### **public static void main(String [] args)**

#### **{**

#### **try**

#### **{**

#### **badMethod();**

#### **System.out.print("A");**

#### **}**

#### **catch (Exception ex)**

#### **{**

#### **System.out.print("B");**

#### **}**

#### **finally**

#### **{**

#### **System.out.print("C");**

#### **}**

#### **System.out.print("D");**

#### **}**

#### **public static void badMethod()**

#### **{**

#### **throw new Error(); /\* Line 22 \*/**

#### **}**

#### **}**

(A) BC is printed before exiting with an error

(B) Compilation fails.

(C) ABCD

(D) C is printed before exiting with an error message.