**Quiz-1**

**OOP using JAVA**

**Max Marks:20 Time:30 Minutes**

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| --- | --- |
| Q1.1 class BitShift  {  public static void main(String [] args)  {  int x = 0x80000000;  System.out.print(x + " and ");  x = x >>> 31;  System.out.println(x);  }  }  A. -2147483648 and 1  B. 0x80000000 and 0x00000001  C. -2147483648 and -1  D. 1 and -2147483648 | Q1.2class Equals  {  public static void main(String [] args)  {  int x = 100;  double y = 100.1;  boolean b = (x = y); /\* Line 7 \*/  System.out.println(b);  }  }  A. true  B. false  C. Compilation fails  D. An exception is thrown at runtime |
| Q1.3 class Test  {  public static void main(String [] args)  {  int x= 0;  int y= 0;  for (int z = 0; z < 5; z++)  {  if (( ++x > 2 ) && (++y > 2))  {  x++;  }  }  System.out.println(x + " " + y);  }  } | Q1.4 class Test  {  public static void leftshift(int i, int j)  {  i <<= j;  }  public static void main(String args[])  {  int i = 4, j = 2;  leftshift(i, j);  System.out.printIn(i);  }  } |
| Q1.5 Which are the correct array declarations?  1. public int a [ ]  2. static int [ ] a  3. public [ ] int a  4. private int a [3]  5. private int [3] a [ ]  6. public final int [ ] a | Q1.6 Which cause a compiler error?  A. int[ ] scores = {3, 5, 7};  B. int [ ][ ] scores = {2,7,6}, {9,3,45};  C. String cats[ ] = {"Fluffy", "Spot", "Zeus"};  D. boolean results[ ] = new boolean [] {true, false, true}; |
| Q1..7 public class ReturnIt  { returnType methodA(byte x, double y)  {  return (long)x / y \* 2;  }  } | Q1..8Which one creates an instance of an array?  A. int[ ] ia = new int[15];  B. float fa = new float[20];  C. char[ ] ca = "Some String";  D. int ia[ ] [ ] = { 4, 5, 6 }, { 1,2,3 }; |
| Q1.1.9 which two cause a compiler error?  float[ ] f = new float(3);  float f2[ ] = new float[ ];  float[ ]f1 = new float[3];  float f3[ ] = new float[3];  float f5[ ] = {1.0f, 2.0f, 2.0f}; | Q1.10 Which three are valid declarations of a char?  char c1 = 064770;  char c2 = 'face';  char c3 = 0xbeef;  char c4 = \u0022;  char c5 = '\iface';  char c6 = '\uface'; |
| Q1.11  switch(x)  {  default:  System.out.println("Hello");  }  Which are acceptable types for x?  byte, long, char  float, Short , Long | Q1.12 Which four options describe the correct default values for array elements of the types indicated?  1. int -> 0  2. String -> "null"  3. Dog -> null  4. char -> '\u0000'  5. float -> 0.0f  6. boolean -> true |
| Q1.13 public void test(int x)  {  int odd = 1;  if(odd)  {  System.out.println("odd");  }  else  {  System.out.println("even");  }  }  Which statement is true?  A. Compilation fails.  B. "odd" will always be output.  C. "even" will always be output.  D. "odd" will be output for odd values of x, and "even" for even values. | Q1.14 public class While  {  public void loop()  {  int x= 0;  while ( 1 )  {  System.out.print("x plus one is " + (x + 1));  }  }  }  Which statement is true?  A. There is a syntax error on line 1.  B. There are syntax errors on lines 1 and 6.  C. There are syntax errors on lines 1, 6, and 8.  D. There is a syntax error on line 6. |
| Q1.15 Which one is a valid declaration of a boolean?  A. boolean b1 = 0;  B. boolean b2 = 'false';  C. boolean b3 = false;  D. boolean b4 = Boolean.false();  E. boolean b5 = no; | Q1.16 Which three are valid declarations of a float?  float f1 = -343;  float f2 = 3.14;  float f3 = 0x12345;  float f4 = 42e7;  float f5 = 2001.0D;  float f6 = 2.81F; |
| Q1.17 What is the numerical range of a char?  A. -128 to 127 B. -(215) to (215) - 1  C. 0 to 32767 D. 0 to 65535 | Q1.18 Which is the default package in Java which automatically imported in every Java program? |
| Q1.19 JVM stands for  A. Java Verified Machine  B. Java Virtual Machine  C. Java Very large Machine  D. Java Very small Machine | Q1.20  JRE stands for  A. Java Real Environment  B. Java Rapid Enterprise  C. Java Runtime Environment  D. None of the above |