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| **Question #1**(1 point) | |
| Which collection class allows you to associate its elements with key values, and allows you to retrieve objects in FIFO (first-in, first-out) sequence? | |
|  | java.util.ArrayList |
|  | java.util.HashMap |
|  | java.util.LinkedHashMap |
|  | java.util.TreeMap |

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| **Question #2**(2 points) | |
| What is the correct result of 5<<2?  (Hint : Convert in Binary and Try to give the Answer) | |
|  | 00101000 |
|  | 00001010 |
|  | 00000101 |
|  | 00010100 |

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| **Question #3**(1 point) | |
| Which one of the following values can be accepted by the switch construct? | |
|  | double |
|  | float |
|  | character |
|  | boolean |

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| **Question #4**(3 points) | |
| Predict the correct output of the following code snippet:     StringBuilder str=new StringBuilder("fruitsgood");   str.insert(6," are ");   System.out.println("After insertion = ");   System.out.println(str.toString()); | |
|  | After insertion = fruits are good |
|  | After insertion=fruitsgood |
|  | Compilation Error |
|  | fruits are good |

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| **Question #5**(2 points) | |
| Statement A: You can declare multiple exceptions with throws Statement B: You cannot throw multiple exceptions. | |
|  | A is True B is False |
|  | A is False B is True |
|  | Both A nd B are True |
|  | A and B is False |

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| **Question #6**(3 points) | |
| What is the output of this program?   class LoopDemo  {  public static void main(String args[])  {  int x = 2;  int y = 0;  for ( ; y < 10; ++y) {  if (y % x == 0)  continue;  else if (y == 8)  break;  else  System.out.print(y + " ");  }  }  } | |
|  | 1 3 5 7 |
|  | 2 4 6 8 |
|  | 1 3 5 7 9 |
|  | 1 2 3 4 5 6 7 8 9 |

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| **Question #7**(1 point) | |
| Which of the following statement is not correct about HashMap class ? | |
|  | HashMap class extends AbstractMap and implements Map interface. |
|  | HashMap class is not synchronized. |
|  | HashMap uses a hashtable to store the map. |
|  | HashMap maintain order of its element |

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| **Question #8**(1 point) | |
| Which one of the following literals is specified by using single quotation marks? | |
|  | String |
|  | Character |
|  | integer |
|  | float |

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| **Question #9**(1 point) | |
| What will happen if we call run() directly, without start() ? | |
|  | Program will give a compilation error. |
|  | Nothing will happen both the methods are same. |
|  | Runtime error. |
|  | Thread won't be allocated a new call stack, and start running in the current call stack. |

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| **Question #10**(1 point) | |
| Which of the following declares an abstract method in an abstract Java class? | |
|  | public abstract method(); |
|  | public abstract void method(); |
|  | public abstract void method() {} |
|  | public void method() {} |

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| **Question #11**(1 point) | |
| Which of the following is first step to create a JDBC application? | |
|  | Import packages containing the JDBC classes needed for database programming. |
|  | Register the JDBC driver, so that you can open a communications channel with the database. |
|  | Open a connection using the DriverManager.getConnection () method. |
|  | Execute a query using an object of type Statement. |

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| **Question #12**(1 point) | |
| In Java, by default every thread is given a \_\_\_\_\_\_\_\_\_ . | |
|  | MIN\_PRIORITY(0) |
|  | NORM\_PRIORITY(5) |
|  | MAX\_PRIORITY(10) |
|  | HIGH\_PRIORITY(7) |

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| **Question #13**(1 point) | |
| Suppose A is an abstract class, B is a concrete subclass of A, and both A and B have a default constructor. Which of the following is correct?    1. A a = new A();  2. A a = new B();  3. B b = new A();  4. B b = new B(); | |
|  | 1 and 2 |
|  | 2 and 4 |
|  | 3 and 4 |
|  | 1 and 3 |

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| **Question #14**(1 point) | |
| Which of these interface is not a member of java.io package? | |
|  | DataInput |
|  | ObjectFilter |
|  | ObjectInput |
|  | FileFilter |

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| **Question #15**(1 point) | |
| Which packages contain the JDBC classes? | |
|  | java.jdbc and javax.jdbc |
|  | java.jdbc and java.jdbc.sql |
|  | java.sql and javax.sql |
|  | java.rdb and javax.rdb |

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| **Question #16**(1 point) | |
| Which of these keywords is used to by the calling function to guard against the exception that is thrown by called function? | |
|  | try |
|  | throw |
|  | throws |
|  | catch |

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| **Question #17**(1 point) | |
| Which of the following is a Metadata interfaces of JDBC? | |
|  | DatabaseMetaData |
|  | ResultSetMetaData |
|  | Both of the above. |
|  | None of the above. |

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| **Question #18**(3 points) | |
| What will be the Output of given code ?   public class Test implements Runnable  {  public void run()  {  System.out.println("r1 ");  System.out.println("r2 ");  }   public static void main( String[] args )  {  Thread t = new Thread(new Test());  t.start();  System.out.println("m1 ");  t.sleep();  System.out.println("m2 ");  }  } | |
|  | Compilation Error |
|  | The output would be r1 r2 m1 m2 |
|  | The output would be m1 m2 r1 r2 |
|  | The output would be m1 r1 r2 m2 |

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| **Question #19**(1 point) | |
| Which one is the odd out from the following list: | |
|  | private |
|  | public |
|  | protected |
|  | static |

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| **Question #20**(2 points) | |
| What is the output of this program?    import java.util.\*;  class stack  {  public static void main(String args[])  {  Stack obj = new Stack();  obj.push(new Integer(3));  obj.push(new Integer(2));  obj.pop();  obj.push(new Integer(5));  System.out.println(obj);  }  } | |
|  | [3, 1] |
|  | [2, 5, 3] |
|  | [3, 5] |
|  | [3, 5, 5] |

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| **Question #21**(3 points) | |
| package Test;  class Test1  {  static void check() throws ArithmeticException  {  System.out.println("Inside check function");  throw new ArithmeticException("demo");  }   public static void main(String args[])  {  try  {  check();  }  catch(ArithmeticException e)  {  System.out.println("caught" + e);  }  }  }   Predict the output of the above program | |
|  | caughtjava.lang.ArithmeticException: demo |
|  | Inside check function |
|  | Inside check function caughtjava.lang.ArithmeticException: demo |
|  | Compile time Error |

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| **Question #22**(3 points) | |
| public class While /\* Line 1 \*/  {  public void loop()  {  int x= 0;  while ( 1 ) /\* Line 6 \*/  {  System.out.print("x plus one is " + (x + 1)); /\* Line 8 \*/  }  }  }   Which statement is true? | |
|  | There is a syntax error on line 1. |
|  | There are syntax errors on lines 1 and 6. |
|  | There are syntax errors on lines 1, 6, and 8. |
|  | There is a syntax error on line 6. |

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| **Question #23**(1 point) | |
| Which are the correct statement for overriding:    Statement A. private methods cannot be overridden, as they are not accessible in subclass.   Statement B. Final methods cannot be overridden.   Statement C. If a method is specified with the public access specifier in a super class, it cannot be specified protected in a subclass. | |
|  | All of the above |
|  | None of the above |
|  | Only Statement C |
|  | Only Statement A |

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| **Question #24**(1 point) | |
| Which of these access specifiers can be used for a class so that it’s members can be accessed by a different class in the different package? | |
|  | Public |
|  | Protected |
|  | Private |
|  | No Modifier |

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| **Question #25**(3 points) | |
| Predict the output of the following code snippent:   class Base  {   private Base()  {   System.out.print("Base");   }   }   public class Test extends Base  {   public Test()  {   System.out.print(""Derived"");   }   public static void main(String[] args)  {   new test();   }   } | |
|  | BaseDerived |
|  | Derived |
|  | Exception is thrown at runtime |
|  | Compilation Error |