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| 1 | |  | | --- | | **Consider the following code and choose the correct option:**  **interface Output{**  **void display();**  **void show();**  **}**  **class Screen implements Output{**  **void show() {System.out.println("show");}**  **void display(){ System.out.println("display"); }public static void main(String[] args) {**  **new Screen().display();}}** | | Selected Option:  display  Correct Answer:  Compilation error | |
| 2 | |  | | --- | | **Which of the following methods are needed for loading a database driver in JDBC?** | | Selected Option:  registerDriver() method  Correct Answer:  registerDriver() method and Class.forName() | |

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| 3 | |  | | --- | | **Consider the given code and select the correct output:**  **class Test{**  **public static void main(String[] args){**  **int num1 = 012;**  **int num2 = 0x110;**  **int sum =num1+=num2;**  **System.out.println("Ans = "+sum); }}** | | Selected Option:  282  Correct Answer:  282 | |
| 4 | |  | | --- | | **Consider the following code and choose the correct option:**  **class A{ A(){System.out.print("From A");}}**  **class B extends A{ B(int z){z=2;}**  **public static void main(String args[]){**  **new B(3);}}** | | Selected Option:  Comiples and prints From A  Correct Answer:  Comiples and prints From A | |

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| 5 | |  | | --- | | **What will be the output of following code?**  **import java.util.\*;**  **class I**  **{**  **public static void main (String[] args)**  **{**  **Object i = new ArrayList().iterator();**  **System.out.print((i instanceof List)+",");**  **System.out.print((i instanceof Iterator)+",");**  **System.out.print(i instanceof ListIterator);**  **}**  **}** | | Selected Option:  Prints: false, true, false  Correct Answer:  Prints: false, true, false | |
| 6 | |  | | --- | | **Consider the following code and choose the correct option:**  **public static void before() {**  **Set set = new TreeSet();**  **set.add("2");**  **set.add(3);**  **set.add("1");**  **Iterator it = set.iterator();**  **while (it.hasNext())**  **System.out.print(it.next() + " ");**  **}** | | Selected Option:  The before() method will print 1 2 3  Correct Answer:  The before() method will throw an exception at runtime | |

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| 7 | |  | | --- | | **A)A string buffer is a mutable sequence of characters.**  **B) sequece of characters in the string buffer can not be changed.** | | Selected Option:  Only A is TRUE  Correct Answer:  Only A is TRUE | |
| 8 | |  | | --- | | **What is the advantage of runtime polymorphism?** | | Selected Option:  Efficient utilization of memory at runtime  Correct Answer:  Code flexibility at runtime | |

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| 9 | |  | | --- | | **The following block of code creates a Thread using a Runnable target:**  **Runnable target = new MyRunnable();**  **Thread myThread = new Thread(target);**  **Which of the following classes can be used to create the target, so that the preceding code compiles correctly?** | | Selected Option:  public class MyRunnable implements Runnable{public void run(){}}  Correct Answer:  public class MyRunnable implements Runnable{public void run(){}} | |
| 10 | |  | | --- | | **Consider the following code and choose the correct option:**  **interface employee{**  **void saldetails();**  **void perdetails();**  **}**  **abstract class perEmp implements employee{**  **public void perdetails(){**  **System.out.println("per details"); }}**  **class Programmer extends perEmp{**  **public void saldetails(){**  **perdetails();**  **System.out.println("sal details"); }**  **public static void main(String[] args) {**  **perEmp emp=new Programmer();**  **emp.saldetails(); }}** | | Selected Option:  per details sal details  Correct Answer:  per details  sal details | |

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| 11 | |  | | --- | | **class CreateFile{**  **public static void main(String[] args) {**  **try {**  **File directory = new File("c"); //Line 13**  **File file = new File(directory,"myFile");**  **if(!file.exists()) {**  **file.createNewFile(); //Line 16**  **}}**  **catch(IOException e) {**  **e.printStackTrace }**  **}}}**  **If the current direcory does not consists of directory "c", Which statements are true ? (Choose TWO)** | | Selected Option:  Line 13 creates a File object named “c”  Correct Answer:  An exception is thrown at runtime  Line 13 creates a File object named “c” | |
| 12 | |  | | --- | | **import java.io.\*;**  **public class MyClass implements Serializable {**  **private int a;**  **public int getA() { return a; }**  **publicMyClass(int a){this.a=a; }**  **private void writeObject( ObjectOutputStream s)**  **throws IOException {**  **// insert code here**  **}**  **}**  **Which code fragment, inserted at line 15, will allow Foo objects to be**  **correctly serialized and deserialized?** | | Selected Option:  s.serialize(x);  Correct Answer:  s.defaultWriteObject(); | |

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| 13 | |  | | --- | | **What will be the result when you try to compile and run the following code?**  **private class Base{**  **Base(){**  **int i = 100;**  **System.out.println(i);**  **}**  **}**  **public class Pri extends Base{**  **static int i = 200;**  **public static void main(String argv[]){**  **Pri p = new Pri();**  **System.out.println(i);**  **}**  **}** | | Selected Option:  100 followed by 200  Correct Answer:  Compile time error | |
| 14 | |  | | --- | | **Which of the following statements are true regarding java.lang.Object class? (Choose 2)** | | Selected Option:  Object class has the core methods for thread synchronization  Object class provides the method for Set implementation in Collection framework  Object class is an abstract class  Correct Answer:  Object class has the core methods for thread synchronization  Object class provides the method for Set implementation in Collection framework | |

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| 15 | |  | | --- | | **All annotation types should maually extend the Annotation interface. State TRUE/FALSE** | | Selected Option:  false  Correct Answer:  false | |
| 16 | |  | | --- | | **What is wrong with the following code?**  **Class MyException extends Exception{}**  **public class Test{**  **public void foo() {**  **try {**  **bar();**  **} finally {**  **baz();**  **} catch(MyException e) {}**  **}**  **public void bar() throws MyException {**  **throw new MyException();**  **}**  **public void baz() throws RuntimeException {**  **throw new RuntimeException();**  **}**  **}** | | Selected Option:  A finally block must always follow one or more catch blocks  Correct Answer:  A catch block cannot follow a finally block | |

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| 17 | |  | | --- | | **The exceptions for which the compiler doesn’t enforce the handle or declare rule** | | Selected Option:  Exception  Correct Answer:  Unchecked exceptions | |
| 18 | |  | | --- | | **public class MyRunnable implements Runnable**  **{**  **public void run()**  **{**  **// some code here**  **}**  **}**  **which of these will create and start this thread?** | | Selected Option:  new MyRunnable().start();  Correct Answer:  new Thread(new MyRunnable()).start(); | |

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| 19 | |  | | --- | | **You wish to store a small amount of data and make it available for rapid access. You do not have a need for the data to be sorted, uniqueness is not an issue and the data will remain fairly static Which data structure might be most suitable for this requirement?**  **1) TreeSet**  **2) HashMap**  **3) LinkedList**  **4) an array** | | Selected Option:  3  Correct Answer:  4 | |
| 20 | |  | | --- | | **Which statements describe guaranteed behaviour of the garbage collection and finalization mechanisms? (Choose TWO)** | | Selected Option:  The finilize() method will eventually be called on every object  An object will not be garbage collected as long as it possible for a live thread to access it through a reference.  Correct Answer:  The finalize() method will never be called more than once on an object  An object will not be garbage collected as long as it possible for a live thread to access it through a reference. | |

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| 1 | |  | | --- | | **Choose the correct option:** | | Selected Option:  A try statement must have at least one corresponding catch block  Correct Answer:  Except in case of VM shutdown, if a try block starts to execute, a corresponding finally block will always start to execute. | |
| 2 | |  | | --- | | **next() method of Scanner class will return \_\_\_\_\_\_\_\_\_** | | Selected Option:  String  Correct Answer:  String | |

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| 3 | |  | | --- | | **A) When one use callablestatement, in that case only parameters are send over network not sql query.**  **B) In preparestatement sql query will compile for first time only** | | Selected Option:  Only B is TRUE  Correct Answer:  Both A and B is TRUE | |
| 4 | |  | | --- | | **The following block of code creates a Thread using a Runnable target:**  **Runnable target = new MyRunnable();**  **Thread myThread = new Thread(target);**  **Which of the following classes can be used to create the target, so that the preceding code compiles correctly?** | | Selected Option:  public class MyRunnable implements Runnable{public void run(){}}  Correct Answer:  public class MyRunnable implements Runnable{public void run(){}} | |

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| 5 | |  | | --- | | **What will be the output of the program?**  **public class CommandArgsTwo**  **{**  **public static void main(String [] argh)**  **{**  **int x;**  **x = argh.length;**  **for (int y = 1; y <= x; y++)**  **{**  **System.out.print(" " + argh[y]);**  **}**  **}**  **}**  **and the command-line invocation is**  **> java CommandArgsTwo 1 2 3** | | Selected Option:  An exception is thrown at runtime  Correct Answer:  An exception is thrown at runtime | |
| 6 | |  | | --- | | **Which collection implementation is suitable for maintaining an ordered sequence of objects,when objects are frequently inserted in and removed from the middle of the sequence?** | | Selected Option:  TreeMap  Correct Answer:  LinkedList | |

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| 7 | |  | | --- | | **Select the variable which are in java.lang.annotation.RetentionPolicy class. (Choose THREE)** | | Selected Option:  RUNTIME  CLASS  SOURCE  METHOD  Correct Answer:  SOURCE  CLASS  RUNTIME | |
| 8 | |  | | --- | | **Consider the following code and choose the correct option:**  **class Test{**  **public static void main(String args[]){**  **TreeSet<Integer> ts=new TreeSet<Integer>();**  **ts.add(1);**  **ts.add(8);**  **ts.add(6);**  **ts.add(4);**  **SortedSet<Integer> ss=ts.subSet(2, 10);**  **ss.add(9);**  **System.out.println(ts);**  **System.out.println(ss);**  **}}** | | Selected Option:  [1,4,6,8,9] [4,6,8,9]  Correct Answer:  [1,4,6,8,9]  [4,6,8,9] | |

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| 9 | |  | | --- | | **how to register driver class in the memory?** | | Selected Option:  Using the static method registerDriver() method which is available in DriverManager Class.  Correct Answer:  Either forName() or registerDriver() | |
| 10 | |  | | --- | | **Which digit,and in what order,will be printed when the following program is run?**  **Public class MyClass {**  **public static void main(String[] args) {**  **int k=0;**  **try {**  **int i=5/k;**  **}**  **catch(ArithmeticException e) {**  **System.out.println("1");**  **}**  **catch(RuntimeException e) {**  **System.out.println("2");**  **return;**  **}**  **catch(Exception e) {**  **System.out.println("3");**  **}**  **finally{**  **System.out.println("4");**  **}**  **System.out.println("5");**  **}**  **}** | | Selected Option:  The program will only print 1 ,4 and 5 in order  Correct Answer:  The program will only print 1 ,4 and 5 in order | |

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| 11 | |  | | --- | | **Which of following set of functions are example of method overloading** | | Selected Option:  void add(int x,int y) char add(char x,char y)  Correct Answer:  void add(int x,int y)  char add(char x,char y) | |
| 12 | |  | | --- | | **Given :**  **public class MainOne {**  **public static void main(String args[]) {**  **String str = "this is java";**  **System.out.println(removeChar(str,'s'));**  **}**  **public static String removeChar(String s, char c) {**  **String r = "";**  **for (int i = 0; i < s.length(); i++) {**  **if (s.charAt(i) != c)**  **r += s.charAt(i);**  **}**  **return r;**  **}**  **} What would be the result?** | | Selected Option:  Thi i java  Correct Answer:  Thi i java | |

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| 13 | |  | | --- | | **Consider the following code and choose the correct option:**  **abstract class Car{**  **abstract void accelerate();**  **}class Lamborghini extends Car{**  **@Override**  **void accelerate() {**  **System.out.println("90 mph");**  **} void nitroBooster(){**  **System.out.print("150 mph"); }**  **public static void main(String[] args) {**  **Car mycar=new Lamborghini();**  **mycar.nitroBooster(); }}** | | Selected Option:  Compilation error  Correct Answer:  Compilation error | |
| 14 | |  | | --- | | **What will happen if a main() method of a "testing" class tries to access a private instance variable of an object using dot notation?** | | Selected Option:  The compiler will find the error and will not make a .class file  Correct Answer:  The compiler will find the error and will not make a .class file | |

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| 15 | |  | | --- | | **class Cthread extends Thread{**  **public void run(){**  **System.out.print("Hi");}**  **public static void main (String args[]){**  **Cthread th1=new Cthread();**  **th1.run();**  **th1.start();**  **th1.start();**  **}}** | | Selected Option:  will print Hi Once  Correct Answer:  will print Hi twice and throws exception at runtime | |
| 16 | |  | | --- | | **Consider the following code and choose the correct option:**  **class A{**  **void display(byte a, byte b){**  **System.out.println("sum of byte"+(a+b)); }**  **void display(int a, int b){**  **System.out.println("sum of int"+(a+b)); }**  **public static void main(String[] args) {**  **new A().display(3, 4); }}** | | Selected Option:  sum of int7  Correct Answer:  sum of int7 | |

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| 17 | |  | | --- | | **Consider the following code and choose the correct option:**  **public class Test {**  **public static void main(String[] args) {**  **String data="7882";**  **data+=32; System.out.println(data); }}** | | Selected Option:  788232  Correct Answer:  788232 | |
| 18 | |  | | --- | | **Which of the following are true about packages? (Choose 2)** | | Selected Option:  Packages can contain both Classes and Interfaces (Compiled Classes)  Packages can contain non-java elements such as images, xml files etc.  Sub packages should be declared as private in order to deny importing them  Correct Answer:  Packages can contain both Classes and Interfaces (Compiled Classes)  Packages can contain non-java elements such as images, xml files etc. | |

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| 19 | |  | | --- | | **public class c123 {**  **private c123() {**  **System.out.println("Hellow");**  **}**  **public static void main(String args[]) {**  **c123 o1 = new c123();**  **c213 o2 = new c213();**  **}**  **}**  **class c213 {**  **private c213() {**  **System.out.println("Hello123");**  **}**  **}**  **What is the output?** | | Selected Option:  It is not possible to declare a constructor as private  Correct Answer:  Compilation Error | |
| 20 | |  | | --- | | **Consider the following code and choose the correct option:**  **public class Test {**  **public static void main(String[] args) throws IOException {**  **File file=new File("D:/jlist.lst");**  **byte buffer[]=new byte[(int)file.length()+1];**  **FileInputStream fis=new FileInputStream(file);**  **int ch=0;**  **while((ch=fis.read())!=-1){**  **System.out.print((char)ch); } }}** | | Selected Option:  Compiles but error at runtime  Correct Answer:  reads data from file one byte at a time and display it on the console. | |

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| 1 | |  | | --- | | **Consider the following code and choose the correct option:**  **class Test{ private void display(){**  **System.out.println("Display()");}**  **private static void show() { display();**  **System.out.println("show()");}**  **public static void main(String arg[]){**  **show();}}** | | Selected Option:  Compiles but throws runtime exception  Correct Answer:  Compilation error | |
| 2 | |  | | --- | | **Consider the following code and choose the correct option:**  **class Test{**  **public static void main(String args[]){**  **Integer arr[]={3,4,3,2};**  **Set<Integer> s=new TreeSet<Integer>(Arrays.asList(arr));**  **s.add(1);**  **for(Integer ele :s){**  **System.out.println(ele); } }}** | | Selected Option:  Compilation error  Correct Answer:  prints 1,2,3,4 | |

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| 3 | |  | | --- | | **For two string objects obj1 and obj2:**  **A) Use of obj1 == obj2 tests whether two String object references refer to the same object**  **B) obj1.equals(obj2) compares the sequence of characters in obj1 and obj2.** | | Selected Option:  Both A and B is FALSE  Correct Answer:  Both A and B is TRUE | |
| 4 | |  | | --- | | **next() method of Scanner class will return \_\_\_\_\_\_\_\_\_** | | Selected Option:  int  Correct Answer:  String | |

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| 5 | |  | | --- | | **Which of the following options give the valid package names? (Choose 3)** | | Selected Option:  p@ckage.subp@ckage.innerp@ckage  dollorpack.$pack.$$pack  $$.$$.$$  Correct Answer:  dollorpack.$pack.$$pack  $$.$$.$$  \_score.pack.\_\_pack | |
| 6 | |  | | --- | | **What will be the output of the program ?**  **public class Test**  **{**  **public static void main(String [] args)**  **{**  **signed int x = 10;**  **for (int y=0; y<5; y++, x--)**  **System.out.print(x + ", ");**  **}**  **}** | | Selected Option:  An exception is thrown at runtime  Correct Answer:  Compilation fails | |

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| 7 | |  | | --- | | **What is the advantage of runtime polymorphism?** | | Selected Option:  Efficient utilization of memory at runtime  Correct Answer:  Code flexibility at runtime | |
| 8 | |  | | --- | | **Select the Uses of annotations. (Choose THREE)** | | Selected Option:  Information for the JVM  Information For the Compiler  Runtime processing  Correct Answer:  Information For the Compiler  Compile time and deploytime processing  Runtime processing | |

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| 9 | |  | | --- | | **Which of the following methods registers a thread in a thread scheduler?** | | Selected Option:  start();  Correct Answer:  start(); | |
| 10 | |  | | --- | | **What will be the output of the program?**  **int x = 3;**  **int y = 1;**  **if (x = y) /\* Line 3 \*/**  **{**  **System.out.println("x =" + x);**  **}** | | Selected Option:  Compilation fails.  Correct Answer:  Compilation fails. | |

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| 11 | |  | | --- | | **Which modifier indicates that the variable might be modified asynchronously, so that all threads will get the correct value of the variable.** | | Selected Option:  transient  Correct Answer:  volatile | |
| 12 | |  | | --- | | **Given two programs:**  **1. package pkgA;**  **2. public class Abc {**  **3. int a = 5;**  **4. protected int b = 6;**  **5. public int c = 7;**  **6. }**  **3. package pkgB;**  **4. import pkgA.\*;**  **5. public class Def {**  **6. public static void main(String[] args) {**  **7. Abc f = new Abc();**  **8. System.out.print(" " + f.a);**  **9. System.out.print(" " + f.b);**  **10. System.out.print(" " + f.c);**  **11. }**  **12. }**  **What is the result when the second program is run? (Choose all that apply)** | | Selected Option:  Compilation fails with an error on line 8  Compilation fails with an error on line 7  Compilation fails with an error on line 9  Correct Answer:  Compilation fails with an error on line 8  Compilation fails with an error on line 9 | |

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| 13 | |  | | --- | | **The exceptions for which the compiler doesn’t enforce the handle or declare rule** | | Selected Option:  Checked exceptions  Correct Answer:  Unchecked exceptions | |
| 14 | |  | | --- | | **What is the use of wasNull() in ResultSet interface?** | | Selected Option:  There is no such method in ResultSet interface  Correct Answer:  It returns true when last read column contain SQL NULL else returns false | |

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| 15 | |  | | --- | | **Which of the following allows a programmer to destroy an object x?** | | Selected Option:  Only the garbage collection system can destroy an object.  Correct Answer:  Only the garbage collection system can destroy an object. | |
| 16 | |  | | --- | | **What will be the output of the program?**  **class SuperClass**  **{**  **public Integer getLength()**  **{**  **return new Integer(4);**  **}**  **}**  **public class SubClass extends SuperClass**  **{**  **public Long getLength()**  **{**  **return new Long(5);**  **}**  **public static void main(String[] args)**  **{**  **SuperClass sp = new SuperClass();**  **SubClass sb = new SubClass();**  **System.out.println(**  **sp.getLength().toString() + "," + sub.getLength().toString() );**  **}**  **}** | | Selected Option:  Compilation fails  Correct Answer:  Compilation fails | |

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| 17 | |  | | --- | | **What will be the output of the program?**  **class MyThread extends Thread**  **{**  **MyThread() {}**  **MyThread(Runnable r) {super(r); }**  **public void run()**  **{**  **System.out.print("Inside Thread ");**  **}**  **}**  **class MyRunnable implements Runnable**  **{**  **public void run()**  **{**  **System.out.print(" Inside Runnable");**  **}**  **}**  **class Test**  **{**  **public static void main(String[] args)**  **{**  **new MyThread().start();**  **new MyThread(new MyRunnable()).start();**  **}**  **}** | | Selected Option:  Throws exception at runtime  Correct Answer:  Prints "Inside Thread Inside Thread" | |
| 18 | |  | | --- | | **Given the following classes and declarations, which statements are true?**  **// Classes**  **class Foo {**  **private int i;**  **public void f() { /\* ... \*/ }**  **public void g() { /\* ... \*/ }**  **}**  **class Bar extends Foo {**  **public int j;**  **public void g() { /\* ... \*/ }**  **}**  **// Declarations:**  **Foo a = new Foo();**  **Bar b = new Bar();** | | Selected Option:  The statement b.f(); is legal.  The Bar class is a subclass of Foo.  Correct Answer:  The Bar class is a subclass of Foo.  The statement b.f(); is legal.  The statement a.g(); is legal. | |

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| 19 | |  | | --- | | **Consider the following code & select the correct option for output.**  **String sql ="select empno,ename from emp";**  **PreparedStatement pst=cn.prepareStatement(sql);**  **System.out.println(pst.toString());**  **ResultSet rs=pst.executeQuery();**  **System.out.println(rs.getString(1)+ " "+rs.getString(2));** | | Selected Option:  Compilation error  Correct Answer:  Compiles but error at run time | |
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| **What is the DataOutputStream method that writes double precision floating point values to a stream?** |
| Selected Option:  writeBytes()  Correct Answer:  writeDouble() |

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| 1 | |  | | --- | | **Sylvy wants to develop Student management system, which requires frequent insert operation about student details. In order to insert student record which statement interface will give good performance** | | Selected Option:  RowSet  Correct Answer:  PreparedStatement | |
| 2 | |  | | --- | | **Consider the following code and choose the correct option:**  **class Cthread extends Thread{**  **Cthread(){start();}**  **public void run(){**  **System.out.print("Hi");}**  **public static void main (String args[]){**  **Cthread th1=new Cthread();**  **Cthread th2=new Cthread();**  **}}** | | Selected Option:  will create two child threads and display Hi twice  Correct Answer:  will create two child threads and display Hi twice | |

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| 3 | |  | | --- | | **Custom annotations can be created using** | | Selected Option:  all the listed options  Correct Answer:  @interface | |
| 4 | |  | | --- | | **Consider the following code and choose the correct option:**  **package aj; class S{ int roll =23;**  **private S(){} }**  **package aj; class T**  **{ public static void main(String ar[]){**  **System.out.print(new S().roll);}}** | | Selected Option:  Compilation error  Correct Answer:  Compilation error | |

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| 5 | |  | | --- | | **Consider the code below & select the correct ouput from the options:**  **public class Test {**  **public static void main(String[] args) {**  **String[] elements = { "for", "tea", "too" };**  **String first = (elements.length > 0) ?elements[0] : null;**  **System.out.println(first); }}** | | Selected Option:  The variable first is set to elements[0].  Correct Answer:  The variable first is set to elements[0]. | |
| 6 | |  | | --- | | **Consider the following code and choose the correct option:**  **abstract class Car{**  **abstract void accelerate();**  **}class Lamborghini extends Car{**  **@Override**  **void accelerate() {**  **System.out.println("90 mph");**  **} void nitroBooster(){**  **System.out.print("150 mph"); }**  **public static void main(String[] args) {**  **Car mycar=new Lamborghini();**  **mycar.nitroBooster(); }}** | | Selected Option:  Compilation error  Correct Answer:  Compilation error | |

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| 7 | |  | | --- | | **public class MyProgram**  **{**  **public static void throwit()**  **{**  **throw new RuntimeException();**  **}**  **public static void main(String args[])**  **{**  **try**  **{**  **System.out.println("Hello world ");**  **throwit();**  **System.out.println("Done with try block ");**  **}**  **finally**  **{**  **System.out.println("Finally executing ");**  **}**  **}**  **}**  **which answer most closely indicates the behavior of the program?** | | Selected Option:  The program will print Hello world, then will print Finally executing, then will print that a RuntimeException has occurred.  Correct Answer:  The program will print Hello world, then will print Finally executing, then will print that a RuntimeException has occurred. | |
| 8 | |  | | --- | | **Which of the following is an example of IS A relationship?** | | Selected Option:  Ford - Car  Correct Answer:  Ford - Car | |

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| 9 | |  | | --- | | **Which statements describe guaranteed behaviour of the garbage collection and finalization mechanisms? (Choose TWO)** | | Selected Option:  The finalize() method will never be called more than once on an object  An object will not be garbage collected as long as it possible for a live thread to access it through a reference.  Correct Answer:  The finalize() method will never be called more than once on an object  An object will not be garbage collected as long as it possible for a live thread to access it through a reference. | |
| 10 | |  | | --- | | **Given the following code what will be output?**  **public class Pass{**  **static int j=20;**  **public static void main(String argv[]){**  **int i=10;**  **Pass p = new Pass();**  **p.amethod(i);**  **System.out.println(i);**  **System.out.println(j);**  **}**  **public void amethod(int x){**  **x=x\*2;**  **j=j\*2;**  **}**  **}** | | Selected Option:  Error: amethod parameter does not match variable  Correct Answer:  10 and 40 | |

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| 11 | |  | | --- | | **What is the default type of ResultSet in JDBC applications?** | | Selected Option:  Read Only, Forward Only  Correct Answer:  Read Only, Forward Only | |
| 12 | |  | | --- | | **Consider the following code and choose the correct output:**  **class Test{**  **public static void main(String args[]){**  **TreeMap<Integer, String> hm=new TreeMap<Integer, String>();**  **hm.put(2,"Two");**  **hm.put(4,"Four");**  **hm.put(1,"One");**  **hm.put(6,"Six");**  **hm.put(7,"Seven");**  **SortedMap<Integer, String> sm=hm.subMap(2,7);**  **SortedMap<Integer,String> sm2=sm.tailMap(4);**  **System.out.print(sm2);**  **}}** | | Selected Option:  {4=Four, 6=Six}  Correct Answer:  {4=Four, 6=Six} | |

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| 13 | |  | | --- | | **Choose the correct option:** | | Selected Option:  Multiple catch statements can catch the same class of exception more than once.  Correct Answer:  Except in case of VM shutdown, if a try block starts to execute, a corresponding finally block will always start to execute. | |
| 14 | |  | | --- | | **What will be the output of the program?**  **class MyThread extends Thread**  **{**  **MyThread() {}**  **MyThread(Runnable r) {super(r); }**  **public void run()**  **{**  **System.out.print("Inside Thread ");**  **}**  **}**  **class MyRunnable implements Runnable**  **{**  **public void run()**  **{**  **System.out.print(" Inside Runnable");**  **}**  **}**  **class Test**  **{**  **public static void main(String[] args)**  **{**  **new MyThread().start();**  **new MyThread(new MyRunnable()).start();**  **}**  **}** | | Selected Option:  Prints "Inside Thread Inside Thread"  Correct Answer:  Prints "Inside Thread Inside Thread" | |

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| 15 | |  | | --- | | **static void sort(List list) method is part of \_\_\_\_\_\_\_\_** | | Selected Option:  Collection interface  Correct Answer:  Collections class | |
| 16 | |  | | --- | | **Consider the following code and choose the correct option:**  **public class Test {**  **public static void main(String[] args) {**  **File file=new File("d:/prj/lib");**  **file.mkdirs();}}** | | Selected Option:  Compiles and executes but directory is not created  Correct Answer:  creates directory d:/prj/lib | |

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| 17 | |  | | --- | | **Choose TWO correct options:** | | Selected Option:  To write characters to an outputstream, you have to make use of the class CharacterOutputStream.  Subclasses of the class Reader are used to read character streams.  Correct Answer:  OutputStream is the abstract superclass of all classes that represent an outputstream of  bytes.  Subclasses of the class Reader are used to read character streams. | |
| 18 | |  | | --- | | **Given the following classes and declarations, which statements are true?**  **// Classes**  **class A {**  **private int i;**  **public void f() { /\* ... \*/ }**  **public void g() { /\* ... \*/ }**  **}**  **class B extends A{**  **public int j;**  **public void g() { /\* ... \*/ }**  **}**  **// Declarations:**  **A a = new A();**  **B b = new B();**  **Select the three correct answers.** | | Selected Option:  The B class is a subclass of A.  The statement b.f(); is legal  The statement a.g(); is legal  Correct Answer:  The B class is a subclass of A.  The statement b.f(); is legal  The statement a.g(); is legal | |

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| 19 | |  | | --- | | **The term 'Java Platform' refers to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.** | | Selected Option:  Java Runtime Environment (JRE)  Correct Answer:  Java Runtime Environment (JRE) | |

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| 1 | |  | | --- | | **Consider the following code and choose the correct output:**  **int value = 0;**  **int count = 1;**  **value = count++ ;**  **System.out.println("value: "+ value  + " count: " + count);** | | Selected Option:  value: 1 count: 1  Correct Answer:  value: 1 count: 2 | |
| 2 | |  | | --- | | **Which statements describe guaranteed behaviour of the garbage collection and finalization mechanisms? (Choose TWO)** | | Selected Option:  The finilize() method will eventually be called on every object  The garbage collector will use a mark and sweep algorithm  Correct Answer:  The finalize() method will never be called more than once on an object  An object will not be garbage collected as long as it possible for a live thread to access it through a reference. | |

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| 3 | |  | | --- | | **Consider the following code and choose the correct option:**  **class Test{ private static void display(){**  **System.out.println("Display()");}**  **private static void show() { display();**  **System.out.println("show()");}**  **public static void main(String arg[]){**  **show();}}** | | Selected Option:  Compiles and prints Display() show()  Correct Answer:  Compiles and prints  Display()  show() | |
| 4 | |  | | --- | | **Given:**  **interface A { public void methodA(); }**  **interface B { public void methodB(); }**  **interface C extends A,B{ public void methodC(); } //Line 3**  **class D implements B {**  **public void methodB() { } //Line 5**  **}**  **class E extends D implements C { //Line 7**  **public void methodA() { }**  **public void methodB() { } //Line 9**  **public void methodC() { }**  **}**  **What would be the result?** | | Selected Option:  Compilation fails, due to an error in line 3  Correct Answer:  If you define D e = (D) (new E()), then e.methodB() invokes the version of methodB() defined at line 9 | |

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| 5 | |  | | --- | | **Sylvy wants to develop Student management system, which requires frequent insert operation about student details. In order to insert student record which statement interface will give good performance** | | Selected Option:  PreparedStatement  Correct Answer:  PreparedStatement | |
| 6 | |  | | --- | | **What is the advantage of runtime polymorphism?** | | Selected Option:  Code reuse  Correct Answer:  Code flexibility at runtime | |

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| 7 | |  | | --- | | **Consider the following code and choose the correct output:**  **class Test{**  **public static void main(String args[]){**  **int a=5;**  **if(a=3){**  **System.out.print("Three");}else{**  **System.out.print("Five");}}}** | | Selected Option:  Compilation error  Correct Answer:  Compilation error | |
| 8 | |  | | --- | | **import java.util.StringTokenizer;**  **class ST{**  **public static void main(String[] args){**  **String input = "Today is$Holiday";**  **StringTokenizer st = new StringTokenizer(input,"$");**  **while(st.hasMoreTokens()){**  **System.out.println(st.nextElement());**  **}}** | | Selected Option:  Today is Holiday  Correct Answer:  Today is  Holiday | |

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| 9 | |  | | --- | | **Choose the meta annotations. (Choose THREE)** | | Selected Option:  Override  Documented  Depricated  Correct Answer:  Retention  Documented  Target | |
| 10 | |  | | --- | | **An application can connect to different Databases at the same time. State TRUE/FALSE.** | | Selected Option:  false  Correct Answer:  true | |

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| 11 | |  | | --- | | **Given:**  **10. interface A { void x(); }**  **11. class B implements A {**  **public void x() { }**  **public void y() { } }**  **12. class C extends B {**  **public void x() {} }**  **And:**  **20. java.util.List<a> list = new java.util.ArrayList</a>();**  **21. list.add(new B());**  **22. list.add(new C());**  **23. for (A a:list) {**  **24. a.x();**  **25. a.y();;**  **26. }**  **What is the result?** | | Selected Option:  Compilation fails because of an error in line 25  Correct Answer:  Compilation fails because of an error in line 25 | |
| 12 | |  | | --- | | **Consider the following code and choose the correct option:**  **interface console{**  **int line;**  **void print();}**  **class a implements console{**  **public void print(){**  **System.out.print("A");}**  **public static void main(String ar[]){**  **new a().print();}}** | | Selected Option:  Compilation error  Correct Answer:  Compilation error | |

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| 13 | |  | | --- | | **Which of the following methods are defined in class Thread? (Choose TWO)** | | Selected Option:  run()  start()  Correct Answer:  start()  run() | |
| 14 | |  | | --- | | **What will be the result when you attempt to compile and run the following code?.**  **public class Conv**  **{**  **public static void main(String argv[]){**  **Conv c=new Conv();**  **String s=new String("ello");**  **c.amethod(s);**  **}**  **public void amethod(String s){**  **char c='H';**  **c+=s;**  **System.out.println(c);**  **}**  **}** | | Selected Option:  Compile time error  Correct Answer:  Compile time error | |

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| 15 | |  | | --- | | **Consider the following code and choose the correct option:**  **class Cthread extends Thread{**  **Cthread(){start();}**  **public void run(){**  **System.out.print("Hi");}**  **public static void main (String args[]){**  **Cthread th1=new Cthread();**  **Cthread th2=new Cthread();**  **}}** | | Selected Option:  will create two child threads and display Hi twice  Correct Answer:  will create two child threads and display Hi twice | |
| 16 | |  | | --- | | **Which of these are two legal ways of accessing a File named "file.tst" for reading. Select the correct option:**  **A)FileReader fr = new FileReader("file.tst");**  **B)FileInputStream fr = new FileInputStream("file.tst");**  **C)InputStreamReader isr = new InputStreamReader(fr, "UTF8");**  **D)FileReader fr = new FileReader("file.tst", "UTF8");** | | Selected Option:  A,B  Correct Answer:  A,B | |

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| 17 | |  | | --- | | **Which of the following statement gives the use of CLASSPATH?** | | Selected Option:  Holds the location of Core Java Class Library (Bootstrap classes)  Correct Answer:  Holds the location of User Defined classes, packages and JARs | |
| 18 | |  | | --- | | **class Test{**  **public static void main(String[] args){**  **try{**  **Integer.parseInt("1.0");**  **}**  **catch(Exception e){**  **System.out.println("Exception occurred");**  **}**  **catch(RuntimeException ex){**  **System.out.println("RuntimeException");**  **}**  **} }**  **consider the code above & select the proper output from the options.** | | Selected Option:  Exception occurred  Correct Answer:  does not compile | |

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| 19 | |  | | --- | | **Consider the following code:**  **System.out.print("Start ");**  **try**  **{**  **System.out.print("Hello world");**  **throw new FileNotFoundException();**  **}**  **System.out.print(" Catch Here "); /\* Line 7 \*/**  **catch(EOFException e)**  **{**  **System.out.print("End of file exception");**  **}**  **catch(FileNotFoundException e)**  **{**  **System.out.print("File not found");**  **}**  **given that EOFException and FileNotFoundException are both subclasses of IOException. If this block of code is pasted in a method, choose the best option.** | | Selected Option:  The code will not compile.  Correct Answer:  The code will not compile. | |
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| **Which modifier indicates that the variable might be modified asynchronously, so that all threads will get**  **the correct value of the variable.** |
| Selected Option:  synchronized  Correct Answer:  volatile |

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| 1 | |  | | --- | | **The term 'Java Platform' refers to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.** | | Selected Option:  Java Database Connectivity (JDBC)  Correct Answer:  Java Runtime Environment (JRE) | |
| 2 | |  | | --- | | **Given:**  **public class Test {**  **public enum Dogs {collie, harrier};**  **public static void main(String [] args) {**  **Dogs myDog = Dogs.collie;**  **switch (myDog) {**  **case collie:**  **System.out.print("collie ");**  **case harrier:**  **System.out.print("harrier ");**  **}**  **}**  **}**  **What is the result?** | | Selected Option:  collie harrier  Correct Answer:  collie harrier | |

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| 3 | |  | | --- | | **Given two programs:**  **1. package pkgA;**  **2. public class Abc {**  **3. int a = 5;**  **4. protected int b = 6;**  **5. public int c = 7;**  **6. }**  **3. package pkgB;**  **4. import pkgA.\*;**  **5. public class Def {**  **6. public static void main(String[] args) {**  **7. Abc f = new Abc();**  **8. System.out.print(" " + f.a);**  **9. System.out.print(" " + f.b);**  **10. System.out.print(" " + f.c);**  **11. }**  **12. }**  **What is the result when the second program is run? (Choose all that apply)** | | Selected Option:  5 6 7  Correct Answer:  Compilation fails with an error on line 8  Compilation fails with an error on line 9 | |
| 4 | |  | | --- | | **Which statement is true?**  **A. A class's finalize() method CANNOT be invoked explicitly.**  **B. super.finalize() is called implicitly by any overriding finalize() method.**  **C. The finalize() method for a given object is called no more than once by the garbage collector.**  **D. The order in which finalize() is called on two objects is based on the order in which the two**  **objects became finalizable.** | | Selected Option:  B  Correct Answer:  C | |

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| 5 | |  | | --- | | **Consider the following code and choose the correct option:**  **public static void before() {**  **Set set = new TreeSet();**  **set.add("2");**  **set.add(3);**  **set.add("1");**  **Iterator it = set.iterator();**  **while (it.hasNext())**  **System.out.print(it.next() + " ");**  **}** | | Selected Option:  The before() method will print 1 2 3  Correct Answer:  The before() method will throw an exception at runtime | |
| 6 | |  | | --- | | **public class MyAr {**  **static int i1;**  **public static void main(String argv[]) {**  **MyAr m = new MyAr();**  **m.amethod();**  **}**  **public void amethod() {**  **System.out.println(i1);**  **}**  **}**  **What is the output of the program?** | | Selected Option:  Compilation Error  Correct Answer:  0 | |

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| 7 | |  | | --- | | **What will be the output of the program?**  **class MyThread extends Thread**  **{**  **MyThread() {}**  **MyThread(Runnable r) {super(r); }**  **public void run()**  **{**  **System.out.print("Inside Thread ");**  **}**  **}**  **class MyRunnable implements Runnable**  **{**  **public void run()**  **{**  **System.out.print(" Inside Runnable");**  **}**  **}**  **class Test**  **{**  **public static void main(String[] args)**  **{**  **new MyThread().start();**  **new MyThread(new MyRunnable()).start();**  **}**  **}** | | Selected Option:  Does not compile  Correct Answer:  Prints "Inside Thread Inside Thread" | |
| 8 | |  | | --- | | **Consider the following code and choose the correct option:**  **public class Test {**  **public static void main(String[] args) {**  **String name="Anthony Gomes";**  **System.out.println(name.replace('n', name.charAt(3)).compareTo(name)); }}** | | Selected Option:  -6  Correct Answer:  -6 | |

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| 9 | |  | | --- | | **Consider the following code and choose the correct option:**  **public class Test {**  **public static void main(String[] args) throws IOException {**  **File file=new File("D:/jlist.lst");**  **byte buffer[]=new byte[(int)file.length()+1];**  **FileInputStream fis=new FileInputStream(file);**  **int ch=0;**  **while((ch=fis.read())!=-1){**  **System.out.print(ch); } }}** | | Selected Option:  reads data from file one byte at a time and display it on the console.  Correct Answer:  reads data from file named jlist.lst in byte form and ascii value | |
| 10 | |  | | --- | | **Sylvy wants to develop Student management system, which requires frequent insert operation about student details. In order to insert student record which statement interface will give good performance** | | Selected Option:  PreparedStatement  Correct Answer:  PreparedStatement | |

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| 11 | |  | | --- | | **Consider the following code and choose the correct option:**  **class A{**  **void display(){ System.out.println("Hello A"); }}**  **class B extends A{**  **void display(){**  **System.out.println("Hello B"); }}**  **public class Test {**  **public static void main(String[] args) {**  **A a=new B();**  **B b= a;**  **b.display(); }}** | | Selected Option:  Hello B  Correct Answer:  Compilation error | |
| 12 | |  | | --- | | **Which method will return boolean when we try to execute SQL Query from a JDBC program?** | | Selected Option:  executeSQL()  Correct Answer:  execute() | |

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| 13 | |  | | --- | | **Consider the following code and choose the correct option:**  **class Test{**  **static void display(){**  **throw new RuntimeException();**  **}**  **public static void main(String args[]){**  **try{display();**  **}catch(Exception e){ }**  **catch(RuntimeException re){}**  **finally{System.out.println("exit");}}}** | | Selected Option:  exit  Correct Answer:  Compilation fails | |
| 14 | |  | | --- | | **Consider the following code and choose the correct option:**  **abstract class Car{**  **abstract void accelerate();**  **}class Lamborghini extends Car{**  **@Override**  **void accelerate() {**  **System.out.println("90 mph");**  **} void nitroBooster(){**  **System.out.print("150 mph"); }**  **public static void main(String[] args) {**  **Car mycar=new Lamborghini();**  **mycar.nitroBooster(); }}** | | Selected Option:  Compilation error  Correct Answer:  Compilation error | |

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| 15 | |  | | --- | | **Custom annotations can be created using** | | Selected Option:  all the listed options  Correct Answer:  @interface | |
| 16 | |  | | --- | | **Which of the following statements can be used to create a new Thread? (Choose TWO)** | | Selected Option:  Implement java.lang.Runnable and implement the run() method  Extend java.lang.Thread and override the run() method.  Correct Answer:  Extend java.lang.Thread and override the run() method.  Implement java.lang.Runnable and implement the run() method | |

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| 17 | |  | | --- | | **Which of the following is not a valid relation between classes?** | | Selected Option:  Composition  Correct Answer:  Segmentation | |
| 18 | |  | | --- | | **What is the output of the following:**  **int a = 0;**  **int b = 10;**  **a = --b ;**  **System.out.println("a: " + a + " b: " + b );** | | Selected Option:  a: 9 b:9  Correct Answer:  a: 9 b:9 | |

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| 19 | |  | | --- | | **Given:**  **10. interface A { void x(); }**  **11. class B implements A {**  **public void x() { }**  **public void y() { } }**  **12. class C extends B {**  **public void x() {} }**  **And:**  **20. java.util.List<a> list = new java.util.ArrayList</a>();**  **21. list.add(new B());**  **22. list.add(new C());**  **23. for (A a:list) {**  **24. a.x();**  **25. a.y();;**  **26. }**  **What is the result?** | | Selected Option:  Compilation fails because of an error in line 23.  Correct Answer:  Compilation fails because of an error in line 25 | |
| 20 | |  | | --- | | **class One{**  **int var1;**  **One (int x){**  **var1 = x;**  **}}**  **class Derived extends One{**  **int var2;**  **void display(){**  **System.out.println("var 1="+var1+"var2="+var2);**  **}}**  **class Main{**  **public static void main(String[] args){**  **Derived obj = new Derived();**  **obj.display();**  **}}**  **consider the code above & select the proper output from the options.** | | Selected Option:  compile error  Correct Answer:  compile error | |

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| 1 | |  | | --- | | **What will be the output of the program?**  **class MyThread extends Thread**  **{**  **MyThread() {}**  **MyThread(Runnable r) {super(r); }**  **public void run()**  **{**  **System.out.print("Inside Thread ");**  **}**  **}**  **class MyRunnable implements Runnable**  **{**  **public void run()**  **{**  **System.out.print(" Inside Runnable");**  **}**  **}**  **class Test**  **{**  **public static void main(String[] args)**  **{**  **new MyThread().start();**  **new MyThread(new MyRunnable()).start();**  **}**  **}** | | Selected Option:  Prints "Inside Thread Inside Thread"  Correct Answer:  Prints "Inside Thread Inside Thread" | |
| 2 | |  | | --- | | **A) The purpose of the method overriding is to perform different operation,**  **though input remains the same.**  **B) one of the important Object Oriented principle is the code**  **reusability that can be achieved using abstraction** | | Selected Option:  Only A is TRUE  Correct Answer:  Only A is TRUE | |

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| 3 | |  | | --- | | **Given:**  **import java.util.\*;**  **public class LetterASort{**  **public static void main(String[] args) {**  **ArrayList<String> strings = new ArrayList<String>();**  **strings.add("aAaA");**  **strings.add("AaA");**  **strings.add("aAa");**  **strings.add("AAaa");**  **Collections.sort(strings);**  **for (String s : strings) { System.out.print(s + " "); }**  **}**  **}**  **What is the result?** | | Selected Option:  AAaa AaA aAa aAaA  Correct Answer:  AAaa AaA aAa aAaA | |
| 4 | |  | | --- | | **Which of the following options give the valid package names? (Choose 3)** | | Selected Option:  p@ckage.subp@ckage.innerp@ckage  dollorpack.$pack.$$pack  .package.subpackage.innerpackage  Correct Answer:  dollorpack.$pack.$$pack  $$.$$.$$  \_score.pack.\_\_pack | |

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| 5 | |  | | --- | | **Custom annotations can be created using** | | Selected Option:  all the listed options  Correct Answer:  @interface | |
| 6 | |  | | --- | | **A) When one use callablestatement, in that case only parameters are send over network not sql query.**  **B) In preparestatement sql query will compile for first time only** | | Selected Option:  Both A and B is TRUE  Correct Answer:  Both A and B is TRUE | |

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| 7 | |  | | --- | | **Consider the following code and choose the correct option:**  **public class Test {**  **public static void main(String[] args) throws IOException {**  **File file=new File("D:/jlist.lst");**  **byte buffer[]=new byte[(int)file.length()+1];**  **FileInputStream fis=new FileInputStream(file);**  **int ch=0;**  **while((ch=fis.read())!=-1){**  **System.out.print((char)ch); } }}** | | Selected Option:  reads data from file named jlist.lst in byte form and display garbage value  Correct Answer:  reads data from file one byte at a time and display it on the console. | |
| 8 | |  | | --- | | **Which of the following allows a programmer to destroy an object x?** | | Selected Option:  x.finalize()  Correct Answer:  Only the garbage collection system can destroy an object. | |

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| 9 | |  | | --- | | **Consider the following code and choose the correct option:**  **class Test {**  **public static void main(String args[]) {**  **String name=new String("batman");**  **int ibegin=1;**  **char iend=3;**  **System.out.println(name.substring(ibegin, iend));**  **} }** | | Selected Option:  atm  Correct Answer:  at | |
| 10 | |  | | --- | | **Consider the following code and choose the correct option:**  interface console{  int line=10;  void print();}  class a implements console{  void print(){  System.out.print("A");}  public static void main(String ar[]){  new a().print();}} | | Selected Option:  Runs but no output  Correct Answer:  Compilation error | |

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| 11 | |  | | --- | | **Given:**  **import java.util.Arrays;**  **import java.util.HashSet;**  **import java.util.Set;**  **public class MainClass {**  **public static void main(String[] a) {**  **String elements[] = { "A", "B", "C", "D", "E" };**  **Set set = new HashSet(Arrays.asList(elements));**  **elements = new String[] { "A", "B", "C", "D" };**  **Set set2 = new HashSet(Arrays.asList(elements));**  **System.out.println(set.equals(set2));**  **}**  **} What is the result of given code?** | | Selected Option:  Compile time error  Correct Answer:  false | |
| 12 | |  | | --- | | **Consider the following code and choose the correct option:**  **class Test{**  **static void test() throws RuntimeException {**  **try { System.out.print("test ");**  **throw new RuntimeException();**  **} catch (Exception ex) { System.out.print("exception "); }**  **} public static void main(String[] args) {**  **try { test(); } catch (RuntimeException ex) { System.out.print("runtime "); }**  **System.out.print("end"); } }** | | Selected Option:  test exception runtime end  Correct Answer:  test exception end | |

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| 13 | |  | | --- | | **class Order{**  **Order(){**  **System.out.println("Cat");**  **}**  **public static void main(String... Args){**  **Order obj = new Order();**  **System.out.println("Ant");**  **}**  **static{**  **System.out.println("Dog");**  **}**  **{**  **System.out.println("Man");**  **}}**  **consider the code above & select the proper output from the options.** | | Selected Option:  Dog Man Cat Ant  Correct Answer:  Dog  Man  Cat  Ant | |
| 14 | |  | | --- | | **Which modifier indicates that the variable might be modified asynchronously, so that all threads will get the correct value of the variable.** | | Selected Option:  synchronized  Correct Answer:  volatile | |

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| 15 | |  | | --- | | **By default all JDBC transactions are autocommit. State TRUE/FALSE.** | | Selected Option:  true  Correct Answer:  true | |
| 16 | |  | | --- | | **Which of following set of functions are example of method overloading** | | Selected Option:  void add(int x,int y) char add(char x,char y)  Correct Answer:  void add(int x,int y)  char add(char x,char y) | |

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| 17 | |  | | --- | | **switch(x)**  **{**  **default:**  **System.out.println("Hello");**  **}**  **Which of the following are acceptable types for x?**  **1.byte**  **2.long**  **3.char**  **4.float**  **5.Short**  **6.Long** | | Selected Option:  1 ,3 and 5  Correct Answer:  1 ,3 and 5 | |
| 18 | |  | | --- | | **consider the code & choose the correct output:**  **class Threads2 implements Runnable {**  **public void run() {**  **System.out.println("run.");**  **throw new RuntimeException("Problem");**  **}**  **public static void main(String[] args) {**  **Thread t = new Thread(new Threads2());**  **t.start();**  **System.out.println("End of method.");**  **}**  **}** | | Selected Option:  End of method. run. java.lang.RuntimeException: Problem  Correct Answer:  End of method.  run.  java.lang.RuntimeException: Problem | |

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| 19 | |  | | --- | | **Which of the following methods registers a thread in a thread scheduler?** | | Selected Option:  start();  Correct Answer:  start(); | |
| 20 | |  | | --- | | **Given:**  **interface A { public void methodA(); }**  **interface B { public void methodB(); }**  **interface C extends A,B{ public void methodC(); } //Line 3**  **class D implements B {**  **public void methodB() { } //Line 5**  **}**  **class E extends D implements C { //Line 7**  **public void methodA() { }**  **public void methodB() { } //Line 9**  **public void methodC() { }**  **}**  **What would be the result?** | | Selected Option:  Compilation fails, due to an error in line 3  Correct Answer:  If you define D e = (D) (new E()),  then e.methodB() invokes the version of methodB() defined at line 9 | |

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| 1 | |  | | --- | | **class PingPong2 {**  **synchronized void hit(long n) {**  **for(int i = 1; i < 3; i++)**  **System.out.print(n + "-" + i + " ");**  **}**  **}**  **public class Tester implements Runnable {**  **static PingPong2 pp2 = new PingPong2();**  **public static void main(String[] args) {**  **new Thread(new Tester()).start();**  **new Thread(new Tester()).start();**  **}**  **public void run() { pp2.hit(Thread.currentThread().getId()); }**  **}**  **Which statement is true?** | | Selected Option:  The output could be 6-1 6-2 5-1 5-2  Correct Answer:  The output could be 6-1 6-2 5-1 5-2 | |
| 2 | |  | | --- | | **Consider the following code and choose the correct option:**  **class Test{**  **public static void parse(String str) {**  **try { int num = Integer.parseInt(str);**  **} catch (NumberFormatException nfe) {**  **num = 0; } finally { System.out.println(num);**  **} } public static void main(String[] args) {**  **parse("one"); }** | | Selected Option:  Compilation fails  Correct Answer:  Compilation fails | |

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| 3 | |  | | --- | | **Consider the following code and choose the correct output:**  **class Test{**  **public static void main(String args[]){**  **int num=3; switch(num){**  **default :{**  **System.out.print("default");}**  **case 1: case 3: case 4: {**  **System.out.println("apple"); break;}**  **case 2: case 5: {**  **System.out.println("black berry"); }break; } }}** | | Selected Option:  apple  Correct Answer:  apple | |
| 4 | |  | | --- | | **class MyClass1**  **{**  **private int area(int side)**  **{**  **return(side \* side);**  **}**  **public static void main(String args[ ])**  **{**  **MyClass1 MC = new MyClass1( );**  **int area = MC.area(50);**  **System.out.println(area);**  **}**  **}**  **What would be the output?** | | Selected Option:  2500  Correct Answer:  2500 | |

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| 5 | |  | | --- | | **Given the following code what will be output?**  **public class Pass{**  **static int j=20;**  **public static void main(String argv[]){**  **int i=10;**  **Pass p = new Pass();**  **p.amethod(i);**  **System.out.println(i);**  **System.out.println(j);**  **}**  **public void amethod(int x){**  **x=x\*2;**  **j=j\*2;**  **}**  **}** | | Selected Option:  10 and 40  Correct Answer:  10 and 40 | |
| 6 | |  | | --- | | **Consider the following code & select the correct option for output.**  **String sql ="select empno,ename from emp";**  **PreparedStatement pst=cn.prepareStatement(sql);**  **System.out.println(pst.toString());**  **ResultSet rs=pst.executeQuery();**  **System.out.println(rs.getString(1)+ " "+rs.getString(2));** | | Selected Option:  Compiles but error at run time  Correct Answer:  Compiles but error at run time | |

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| 7 | |  | | --- | | **Which statements describe guaranteed behaviour of the garbage collection and finalization mechanisms? (Choose TWO)** | | Selected Option:  The finalize() method will never be called more than once on an object  An object will not be garbage collected as long as it possible for a live thread to access it through a reference.  Correct Answer:  The finalize() method will never be called more than once on an object  An object will not be garbage collected as long as it possible for a live thread to access it through a reference. | |
| 8 | |  | | --- | | **Which of the following is not a valid relation between classes?** | | Selected Option:  Segmentation  Correct Answer:  Segmentation | |

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| 9 | |  | | --- | | **Consider the following code and choose the correct option:**  **class Data{ Integer data; Data(Integer d){data=d;}**  **public boolean equals(Object o){return true;}**  **public int hasCode(){return 1;}}**  **class Test{**  **public static void main(String ar[]){**  **Set<Data> s=new HashSet<Data>();**  **s.add(new Data(4));**  **s.add(new Data(2));**  **s.add(new Data(4));**  **s.add(new Data(1));**  **s.add(new Data(2));**  **System.out.print(s.size());}}** | | Selected Option:  5  Correct Answer:  5 | |
| 10 | |  | | --- | | **Which of the following statement gives the use of CLASSPATH?** | | Selected Option:  Holds the location of Java Extension Library  Correct Answer:  Holds the location of User Defined classes, packages and JARs | |

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| 11 | |  | | --- | | **Custom annotations can be created using** | | Selected Option:  all the listed options  Correct Answer:  @interface | |
| 12 | |  | | --- | | **Consider the following code and choose the correct option:**  **class Test{**  **static class A{**  **interface X{**  **int z=4; } }**  **static void display(){**  **System.out.println(A.X.z); }**  **public static void main(String[] args) {**  **display(); }}** | | Selected Option:  4  Correct Answer:  4 | |

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| 13 | |  | | --- | | **Consider the following code and choose the correct option:**  **interface employee{**  **void saldetails();**  **void perdetails();**  **}**  **abstract class perEmp implements employee{**  **public void perdetails(){**  **System.out.println("per details"); }}**  **class Programmer extends perEmp{**  **public void saldetails(){**  **perdetails();**  **System.out.println("sal details"); }**  **public static void main(String[] args) {**  **perEmp emp=new Programmer();**  **emp.saldetails(); }}** | | Selected Option:  per details sal details  Correct Answer:  per details  sal details | |
| 14 | |  | | --- | | **Consider the following code and choose the correct option:**  **interface Output{**  **void display();**  **void show();**  **}**  **class Screen implements Output{**  **void show() {System.out.println("show");}**  **void display(){ System.out.println("display"); }public static void main(String[] args) {**  **new Screen().display();}}** | | Selected Option:  Compilation error  Correct Answer:  Compilation error | |

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| 15 | |  | | --- | | **Which of these are two legal ways of accessing a File named "file.tst" for reading. Select the correct option:**  **A)FileReader fr = new FileReader("file.tst");**  **B)FileInputStream fr = new FileInputStream("file.tst");**  **C)InputStreamReader isr = new InputStreamReader(fr, "UTF8");**  **D)FileReader fr = new FileReader("file.tst", "UTF8");** | | Selected Option:  C,D  Correct Answer:  A,B | |
| 16 | |  | | --- | | **Inorder to remove one element from the given Treeset, place the appropriate line of code**  **public class Main {**  **public static void main(String[] args) {**  **TreeSet<Integer> tSet = new TreeSet<Integer>();**  **System.out.println("Size of TreeSet : " + tSet.size());**  **tSet.add(new Integer("1"));**  **tSet.add(new Integer("2"));**  **tSet.add(new Integer("3"));**  **System.out.println(tSet.size());**  **// remove the one element from the Treeset**  **System.out.println("Size of TreeSet after removal : " + tSet.size());**  **}**  **}** | | Selected Option:  tSet.drop(new Integer("1"));  Correct Answer:  tSet.remove(new Integer("1")); | |

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| 17 | |  | | --- | | **Which of the following methods are needed for loading a database driver in JDBC?** | | Selected Option:  registerDriver() method and Class.forName()  Correct Answer:  registerDriver() method and Class.forName() | |
| 18 | |  | | --- | | **Which of the following statements is true?** | | Selected Option:  Any statement that can throw an Error must be enclosed in a try block.  Correct Answer:  catch(X x) can catch subclasses of X where X is a subclass of Exception. | |

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| 19 | |  | | --- | | **class StringManipulation{**  **public static void main(String[] args){**  **String str = new String("Cognizant");**  **str.concat(" Technology");**  **StringBuffer sbf = new StringBuffer(" Solutions");**  **System.out.println(str+sbf);**  **}}**  **consider the code above & select the proper output from the options.** | | Selected Option:  Cognizant Solutions  Correct Answer:  Cognizant Solutions | |
| 20 | |  | | --- | | **The following block of code creates a Thread using a Runnable target:**  **Runnable target = new MyRunnable();**  **Thread myThread = new Thread(target);**  **Which of the following classes can be used to create the target, so that the preceding code compiles correctly?** | | Selected Option:  public class MyRunnable extends Object{public void run(){}}  Correct Answer:  public class MyRunnable implements Runnable{public void run(){}} | |

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| 1 | |  | | --- | | **What will happen if a main() method of a "testing" class tries to access a private instance variable of an object using dot notation?** | | Selected Option:  The compiler will find the error and will not make a .class file  Correct Answer:  The compiler will find the error and will not make a .class file | |
| 2 | |  | | --- | | **Which of the following methods are defined in class Thread? (Choose TWO)** | | Selected Option:  terminate()  start()  Correct Answer:  start()  run() | |

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| 3 | |  | | --- | | **Which of the following statements is TRUE regarding a Java loop?** | | Selected Option:  A continue statement doesn’t transfer control to the test statement of the for loop  Correct Answer:  A loop may have multiple exit points | |
| 4 | |  | | --- | | **class Cthread extends Thread{**  **public void run(){**  **System.out.print("Hi");}**  **public static void main (String args[]){**  **Cthread th1=new Cthread();**  **th1.run();**  **th1.start();**  **th1.start();**  **}}** | | Selected Option:  will not print  Correct Answer:  will print Hi twice and throws exception at runtime | |

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| 5 | |  | | --- | | **Consider the following code and choose the correct option:**  **interface employee{**  **void saldetails();**  **void perdetails();**  **}**  **abstract class perEmp implements employee{**  **public void perdetails(){**  **System.out.println("per details"); }}**  **class Programmer extends perEmp{**  **public void saldetails(){**  **perdetails();**  **System.out.println("sal details"); }**  **public static void main(String[] args) {**  **perEmp emp=new Programmer();**  **emp.saldetails(); }}** | | Selected Option:  per details sal details  Correct Answer:  per details  sal details | |
| 6 | |  | | --- | | **What is the advantage of runtime polymorphism?** | | Selected Option:  Efficient utilization of memory at runtime  Correct Answer:  Code flexibility at runtime | |

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| 7 | |  | | --- | | **Consider the following code and choose the correct option:**  **class Test {**  **public static void main(String[] args) {**  **new Test().display(1,"hi");**  **new Test().display(2,"hi", "world" ); }**  **public void display(int x,String... s) {**  **System.out.print(s[s.length-x] + " "); }}** | | Selected Option:  hi hi  Correct Answer:  hi hi | |
| 8 | |  | | --- | | **Which of the following options give the valid argument types for main() method? (Choose 2)** | | Selected Option:  String args[]  String[] args  Correct Answer:  String[] args  String args[] | |

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| 9 | |  | | --- | | **Consider the following code and choose the correct option:**  **public class X**  **{**  **public static void main(String [] args)**  **{**  **X x = new X();**  **X x2 = m1(x); /\* Line 6 \*/**  **X x4 = new X();**  **x2 = x4; /\* Line 8 \*/**  **doComplexStuff(); }**  **static X m1(X mx) {**  **mx = new X();**  **return mx; }}**  **After line 8 runs. how many objects are eligible for garbage collection?** | | Selected Option:  2  Correct Answer:  1 | |
| 10 | |  | | --- | | **class Animal { public String noise() { return "peep"; } }**  **class Dog extends Animal {**  **public String noise() { return "bark"; }**  **}**  **class Cat extends Animal {**  **public String noise() { return "meow"; }**  **}**  **class try1{**  **public static void main(String[] args){**  **Animal animal = new Dog();**  **Cat cat = (Cat)animal;**  **System.out.println(cat.noise());**  **}}**  **consider the code above & select the proper output from the options.** | | Selected Option:  An exception is thrown at runtime.  Correct Answer:  An exception is thrown at runtime. | |

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| 11 | |  | | --- | | **int indexOf(Object o) - What does this method return if the element is not found in the List?** | | Selected Option:  null  Correct Answer:  -1 | |
| 12 | |  | | --- | | **Which of the following method can be used to execute to execute all type of queries i.e. either Selection or Updation SQL Queries?** | | Selected Option:  executeAll()  Correct Answer:  execute() | |

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| 13 | |  | | --- | | **A) It is a good practice to store heterogenous data in a TreeSet.**  **B) HashSet has default initial capacity (16) and loadfactor(0.75)**  **C)HashSet does not maintain order of Insertion**  **D)TreeSet maintains order of Inserstion** | | Selected Option:  A and C is TRUE  Correct Answer:  B and C is TRUE | |
| 14 | |  | | --- | | **public class c123 {**  **private c123() {**  **System.out.println("Hellow");**  **}**  **public static void main(String args[]) {**  **c123 o1 = new c123();**  **c213 o2 = new c213();**  **}**  **}**  **class c213 {**  **private c213() {**  **System.out.println("Hello123");**  **}**  **}**  **What is the output?** | | Selected Option:  Compilation Error  Correct Answer:  Compilation Error | |

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| 15 | |  | | --- | | **Consider the following code and choose the correct option:**  **class A{**  **void display(byte a, byte b){**  **System.out.println("sum of byte"+(a+b)); }**  **void display(int a, int b){**  **System.out.println("sum of int"+(a+b)); }**  **public static void main(String[] args) {**  **new A().display(3, 4); }}** | | Selected Option:  sum of int7  Correct Answer:  sum of int7 | |
| 16 | |  | | --- | | **What is the output of the following program?**  **public class MyClass**  **{**  **public static void main( String[] args )**  **{**  **private static final int value =9;**  **float total;**  **total = value + value / 2;**  **System.out.println( total );**  **}**  **}** | | Selected Option:  Compilation Error  Correct Answer:  Compilation Error | |

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| 17 | |  | | --- | | **Consider the following code and choose the correct option:**  **class Test{**  **static void display(){**  **throw new RuntimeException();**  **} public static void main(String args[]){**  **try{display();**  **}catch(Exception e){ throw new NullPointerException();}**  **finally{try{ display();**  **}catch(NullPointerException e){ System.out.println("caught");}**  **finally{ System.out.println("exit");}}}}** | | Selected Option:  exit RuntimeException thrown at run time  Correct Answer:  exit  RuntimeException thrown at run time | |
| 18 | |  | | --- | | **import java.io.\*;**  **public class MyClass implements Serializable {**  **private Tree tree = new Tree();**  **public static void main(String [] args) {**  **MyClass mc= new MyClass();**  **try {**  **FileOutputStream fs = new FileOutputStream(”MyClass.ser”);**  **ObjectOutputStream os = new ObjectOutputStream(fs);**  **os.writeObject(mc); os.close();**  **} catch (Exception ex) { ex.printStackTrace(); }**  **} }** | | Selected Option:  Compilation fails  Correct Answer:  Compilation fails | |

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| 19 | |  | | --- | | **Give Code snipet:**  **{// Somecode**  **ResultSet rs = st.executeQuery("SELECT \* FROM survey");**  **while (rs.next()) {**  **String name = rs.getString("name");**  **System.out.println(name);**  **}**  **rs.close();**  **// somecode**  **} What should be imported related to ResultSet?** | | Selected Option:  java.sql.Connection  Correct Answer:  java.sql.ResultSet | |
| 20 | |  | | --- | | **All annotation types should maually extend the Annotation interface. State TRUE/FALSE** | | Selected Option:  true  Correct Answer:  false | |

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| 1 | |  | | --- | | **int indexOf(Object o) - What does this method return if the element**  **is not found in the List?** | | Selected Option:  null  Correct Answer:  -1 | |
| 2 | |  | | --- | | **Which three of the following are methods of the Object class?**  **1.notify();**  **2.notifyAll();**  **3.isInterrupted();**  **4.synchronized();**  **5.interrupt();**  **6.wait(long msecs);**  **7.sleep(long msecs);**  **8.yield();** | | Selected Option:  1, 2, 4  Correct Answer:  1, 2, 6 | |

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| 3 | |  | | --- | | **Which of the following allows a programmer to destroy an object x?** | | Selected Option:  x.delete()  Correct Answer:  Only the garbage collection system can destroy an object. | |
| 4 | |  | | --- | | **What will be the output of following code?**  **class Test{**  **public static void main(String args[]){**  **TreeSet<Integer> ts=new TreeSet<Integer>();**  **ts.add(2);**  **ts.add(3);**  **ts.add(7);**  **ts.add(5);**  **SortedSet<Integer> ss=ts.subSet(1,7);**  **ss.add(4);**  **ss.add(6);**  **System.out.print(ss);}}** | | Selected Option:  [2,3,4,5,6]  Correct Answer:  [2,3,4,5,6] | |

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| 5 | |  | | --- | | **What are the thing to be placed to complete the code?**  **class Wrap {**  **public static void main(String args[]) {**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ iOb = \_\_\_\_\_\_\_\_\_\_\_ Integer(100);**  **int i = iOb.intValue();**  **System.out.println(i + " " + iOb); // displays 100 100**  **}**  **}** | | Selected Option:  Integer, new  Correct Answer:  Integer, new | |
| 6 | |  | | --- | | **An application can connect to different Databases at the same time. State TRUE/FALSE.** | | Selected Option:  true  Correct Answer:  true | |

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| 7 | |  | | --- | | **Custom annotations can be created using** | | Selected Option:  all the listed options  Correct Answer:  @interface | |
| 8 | |  | | --- | | **Choose TWO correct options:** | | Correct Answer:  The main() method of a program can declare that it throws checked exception  A method declaring that it throws a certain exception class may  throw instances of any subclass of that exception class | |

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| 9 | |  | | --- | | **Which of the following opens the file "myData.stuff" for output first deleting**  **any file with that name?** | | Selected Option:  FileOutputStream fos = new FileOutputStream( new  BufferedOutputStream( "myData.stuff") )  Correct Answer:  FileOutputStream fos = new FileOutputStream( "myData.stuff") | |
| 10 | |  | | --- | | **Consider the following code and choose the correct option:**  **interface Output{**  **void display();**  **void show();**  **}**  **class Screen implements Output{**  **void display(){ System.out.println("display"); }**  **public static void main(String[] args) {**  **new Screen().display();}}** | | Selected Option:  display  Correct Answer:  Compilation error | |

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| 11 | |  | | --- | | **Which of the following is an example of IS A relationship?** | | Correct Answer:  Ford - Car | |
| 12 | |  | | --- | | **class A {**  **int i, j;**  **A(int a, int b) {**  **i = a;**  **j = b;**  **}**  **void show() {**  **System.out.println("i and j: " + i + " " + j);**  **}**  **}**  **class B extends A {**  **int k;**  **B(int a, int b, int c) {**  **super(a, b);**  **k = c;**  **}**  **void show(String msg) {**  **System.out.println(msg + k);**  **}**  **}**  **class Override {**  **public static void main(String args[]) {**  **B subOb = new B(3, 5, 7);**  **subOb.show("This is k: "); // this calls show() in B**  **subOb.show(); // this calls show() in A**  **}**  **} What would be the ouput?** | | Selected Option:  This is k: 7 i and j: 3 7  Correct Answer:  This is k: 7  i and j: 3 7 | |

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| 13 | |  | | --- | | **Consider the following code and choose the correct option:**  **class Test {**  **public static void main(String args[]) {**  **String s1 = "abc";**  **String s2 = "def";**  **String s3 = s1.concat(s2.toUpperCase( ) );**  **System.out.println(s1+s2+s3); } }** | | Selected Option:       abcdefabcDEF  Correct Answer:       abcdefabcDEF | |
| 14 | |  | | --- | | **Consider the following code and choose the correct option:**  **interface employee{**  **void saldetails();**  **void perdetails();**  **}**  **abstract class perEmp implements employee{**  **public void perdetails(){**  **System.out.println("per details"); }}**  **class Programmer extends perEmp{**  **public void saldetails(){**  **perdetails();**  **System.out.println("sal details"); }**  **public static void main(String[] args) {**  **perEmp emp=new Programmer();**  **emp.saldetails(); }}** | | Selected Option:  sal details per details  Correct Answer:  per details  sal details | |

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| 15 | |  | | --- | | **Sylvy wants to develop Student management system, which requires frequent i**  **nsert operation about student details. In order to insert student record**  **which statement interface will give good performance** | | Selected Option:  CallableStatement  Correct Answer:  PreparedStatement | |
| 16 | |  | | --- | | **What is the output of the following:**  **int a = 0;**  **int b = 10;**  **a = --b ;**  **System.out.println("a: " + a + " b: " + b );** | | Selected Option:  a: 9 b:9  Correct Answer:  a: 9 b:9 | |

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| 17 | |  | | --- | | **The term 'Java Platform' refers to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.** | | Selected Option:  Java Runtime Environment (JRE)  Correct Answer:  Java Runtime Environment (JRE) | |
| 18 | |  | | --- | | **What will be the output of the program?**  **class MyThread extends Thread**  **{**  **MyThread() {}**  **MyThread(Runnable r) {super(r); }**  **public void run()**  **{**  **System.out.print("Inside Thread ");**  **}**  **}**  **class MyRunnable implements Runnable**  **{**  **public void run()**  **{**  **System.out.print(" Inside Runnable");**  **}**  **}**  **class Test**  **{**  **public static void main(String[] args)**  **{**  **new MyThread().start();**  **new MyThread(new MyRunnable()).start();**  **}**  **}** | | Selected Option:  Throws exception at runtime  Correct Answer:  Prints "Inside Thread Inside Thread" | |

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| 19 | |  | | --- | | **A) Exception is the superclass of all errors and exceptions in the java language**  **B) RuntimeException and its subclasses are unchecked exception.** | | Selected Option:  Both A and B are TRUE  Correct Answer:  Only B is TRUE | |
| 20 | |  | | --- | | **Which modifier indicates that the variable might be modified asynchronously,**  **so that all threads will get the correct value of the variable.** | | Selected Option:  volatile  Correct Answer:  volatile | |
| 1 | |  | | --- | | **Given:**  **public static Collection get() {**  **Collection sorted = new LinkedList();**  **sorted.add("B"); sorted.add("C"); sorted.add("A");**  **return sorted;**  **}**  **public static void main(String[] args) {**  **for (Object obj: get()) {**  **System.out.print(obj + ", ");**  **}**  **}**  **What is the result?** | | Selected Option:  Compilation fails.  Correct Answer:  B, C, A, | |
| 2 | |  | | --- | | **Which of the following are true about packages? (Choose 2)** | | Selected Option:  Packages can contain non-java elements such as images, xml files etc.  Packages can contain both Classes and Interfaces (Compiled Classes)  Correct Answer:  Packages can contain both Classes and Interfaces (Compiled Classes)  Packages can contain non-java elements such as images, xml files etc. | |

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| 3 | |  | | --- | | **Consider the following code and choose the correct option:**  **public class Test {**  **public static void main(String[] args) throws IOException {**  **File file=new File("d:/data");**  **byte buffer[]=new byte[(int)file.length()+1];**  **FileInputStream fis=new FileInputStream(file);**  **fis.read(buffer);**  **FileWriter fw=new FileWriter("d:/temp.txt");**  **fw.write(new String(buffer));}}** | | Selected Option:  Compiles but error at runtime  Correct Answer:  Compiles and runs but content not transferred to the temp.txt | |
| 4 | |  | | --- | | **Consider the following code and choose the correct option:**  **interface employee{**  **void saldetails();**  **void perdetails();**  **}**  **abstract class perEmp implements employee{**  **public void perdetails(){**  **System.out.println("per details"); }}**  **class Programmer extends perEmp{**  **public static void main(String[] args) {**  **perEmp emp=new Programmer();**  **emp.saldetails(); }}** | | Selected Option:  compilation error  Correct Answer:  compilation error | |

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| 5 | |  | | --- | | **Given:**  **public class Yikes {**  **public static void go(Long n) {System.out.print("Long ");}**  **public static void go(Short n) {System.out.print("Short ");}**  **public static void go(int n) {System.out.print("int ");}**  **public static void main(String [] args) {**  **short y = 6;**  **long z = 7;**  **go(y);**  **go(z);**  **}**  **}**  **What is the result?** | | Selected Option:  int Long  Correct Answer:  int Long | |
| 6 | |  | | --- | | **Consider the following code and choose the correct option:**  **class Test{**  **public static void main(String args[]){**  **Integer arr[]={3,4,3,2};**  **Set<Integer> s=new TreeSet<Integer>(Arrays.asList(arr));**  **s.add(1);**  **for(Integer ele :s){**  **System.out.println(ele); } }}** | | Selected Option:  prints 1,2,3,4  Correct Answer:  prints 1,2,3,4 | |

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| 7 | |  | | --- | | **Which of the following methods are static?** | | Selected Option:  yield()  sleep()  Correct Answer:  yield()  sleep() | |
| 8 | |  | | --- | | **The following block of code creates a Thread using a Runnable target:**  **Runnable target = new MyRunnable();**  **Thread myThread = new Thread(target);**  **Which of the following classes can be used to create the target, so that the preceding code compiles correctly?** | | Selected Option:  public class MyRunnable implements Runnable{public void run(){}}  Correct Answer:  public class MyRunnable implements Runnable{public void run(){}} | |

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| 9 | |  | | --- | | **Custom annotations can be created using** | | Selected Option:  all the listed options  Correct Answer:  @interface | |
| 10 | |  | | --- | | **Which of the following statements can be used to create a new Thread? (Choose TWO)** | | Selected Option:  Extend java.lang.Thread and override the run() method.  Implement java.lang.Thread and implement the start() method.  Correct Answer:  Extend java.lang.Thread and override the run() method.  Implement java.lang.Runnable and implement the run() method | |

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| 11 | |  | | --- | | **Consider the following code & select the correct option for output.**  **String sql ="select empno,ename from emp";**  **PreparedStatement pst=cn.prepareStatement(sql);**  **System.out.println(pst.toString());**  **ResultSet rs=pst.executeQuery();**  **System.out.println(rs.getString(1)+ " "+rs.getString(2));** | | Selected Option:  Compilation error  Correct Answer:  Compiles but error at run time | |
| 12 | |  | | --- | | **Consider the following code and choose the correct option:**  **class Test{**  **public static void parse(String str) {**  **try { int num = Integer.parseInt(str);**  **} catch (NumberFormatException nfe) {**  **num = 0; } finally { System.out.println(num);**  **} } public static void main(String[] args) {**  **parse("one"); }** | | Selected Option:  Compilation fails  Correct Answer:  Compilation fails | |

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| 13 | |  | | --- | | **class One{**  **int var1;**  **One (int x){**  **var1 = x;**  **}}**  **class Derived extends One{**  **int var2;**  **Derived(){**  **super(10);**  **var2=10;**  **}**  **void display(){**  **System.out.println("var1="+var1+" , var2="+var2);**  **}}**  **class Main{**  **public static void main(String[] args){**  **Derived obj = new Derived();**  **obj.display();**  **}}**  **consider the code above & select the proper output from the options.** | | Selected Option:  var1=10 , var2=10  Correct Answer:  var1=10 , var2=10 | |
| 14 | |  | | --- | | **Which of the given options is similar to the following code:**  **value += sum++ ;** | | Selected Option:  value = value + sum; sum = sum + 1;  Correct Answer:  value = value + sum;  sum = sum + 1; | |

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| 15 | |  | | --- | | **How can you force garbage collection of an object?** | | Selected Option:  Call System.gc() passing in a reference to the object to be garbage collected  Correct Answer:  Garbage collection cannot be forced | |
| 16 | |  | | --- | | **Given:**  **public class Batman {**  **int squares = 81;**  **public static void main(String[] args) {**  **new Batman().go();**  **}**  **void go() {**  **incr(++squares);**  **System.out.println(squares);**  **}**  **void incr(int squares) { squares += 10; }**  **}**  **What is the result?** | | Selected Option:  82  Correct Answer:  82 | |

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| 17 | |  | | --- | | **What is the advantage of runtime polymorphism?** | | Selected Option:  Efficient utilization of memory at runtime  Correct Answer:  Code flexibility at runtime | |
| 18 | |  | | --- | | **Consider the code below & select the correct ouput from the options:**  **class A{**  **static int sq(int n){**  **return n\*n; }}**  **public class Test extends A{**  **static int sq(int n){**  **return super.sq(n); }**  **public static void main(String[] args) {**  **System.out.println(new Test().sq(3)); }}** | | Selected Option:  Compilation error  Correct Answer:  Compilation error | |

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| 19 | |  | | --- | | **It is possible to insert/update record in a table by using ResultSet. State TRUE/FALSE** | | Selected Option:  false  Correct Answer:  true | |
| 20 | |  | | --- | | **Given:**  **public class Theory {**  **public static void main(String[] args) {**  **String s1 = "abc";**  **String s2 = s1;**  **s1 += "d";**  **System.out.println(s1 + " " + s2 + " " + (s1==s2));**  **StringBuffer sb1 = new StringBuffer("abc");**  **StringBuffer sb2 = sb1;**  **sb1.append("d");**  **System.out.println(sb1 + " " + sb2 + " " + (sb1==sb2));**  **}**  **}**  **Which are true? (Choose all that apply.)** | | Selected Option:  The first line of output is abcd abc false  The second line of output is abcd abcd true  Correct Answer:  The first line of output is abcd abc false  The second line of output is abcd abcd true | |

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| 1 | |  | | --- | | **Consider the following code and choose the correct option:**  **abstract class Car{**  **abstract void accelerate();**  **}**  **class Lamborghini extends Car{**  **@Override**  **void accelerate() {**  **System.out.println("90 mph"); }**  **void nitroBooster(){**  **System.out.print("150 mph"); }**  **public static void main(String[] args) {**  **Car mycar=new Lamborghini();**  **Lamborghini lambo=(Lamborghini) mycar;**  **lambo.nitroBooster();}}** | | Selected Option:  150 mph  Correct Answer:  150 mph | |
| 2 | |  | | --- | | **Which of the following is not a valid relation between classes?** | | Selected Option:  Segmentation  Correct Answer:  Segmentation | |

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| 3 | |  | | --- | | **State the class relationship that is being implemented by the following code:**  **class Employee**  **{**  **private int empid;**  **private String ename;**  **public double getBonus()**  **{**  **Accounts acc = new Accounts();**  **return acc.calculateBonus();**  **}**  **}**  **class Accounts**  **{**  **public double calculateBonus(){//method's code}**  **}** | | Selected Option:  Composition  Correct Answer:  Dependency | |
| 4 | |  | | --- | | **What will be the output of the program?**  **class MyThread extends Thread**  **{**  **MyThread() {}**  **MyThread(Runnable r) {super(r); }**  **public void run()**  **{**  **System.out.print("Inside Thread ");**  **}**  **}**  **class MyRunnable implements Runnable**  **{**  **public void run()**  **{**  **System.out.print(" Inside Runnable");**  **}**  **}**  **class Test**  **{**  **public static void main(String[] args)**  **{**  **new MyThread().start();**  **new MyThread(new MyRunnable()).start();**  **}**  **}** | | Selected Option:  Prints "Inside Thread Inside Runnable"  Correct Answer:  Prints "Inside Thread Inside Thread" | |

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| 5 | |  | | --- | | **public class MyAr {**  **public static void main(String argv[]) {**  **MyAr m = new MyAr();**  **m.amethod();**  **}**  **public void amethod() {**  **final int i1;**  **System.out.println(i1);**  **}**  **}**  **What is the Output of the Program?** | | Selected Option:  Unresolved compilation problem: The local variable i1 may not have been initialized  Correct Answer:  Unresolved compilation problem:  The local variable i1 may not have been initialized | |
| 6 | |  | | --- | | **Given:**  **public static Iterator reverse(List list) {**  **Collections.reverse(list);**  **return list.iterator();**  **}**  **public static void main(String[] args) {**  **List list = new ArrayList();**  **list.add("1"); list.add("2"); list.add("3");**  **for (Object obj: reverse(list))**  **System.out.print(obj + ", ");**  **}**  **What is the result?** | | Selected Option:  Compilation fails.  Correct Answer:  Compilation fails. | |

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| 7 | |  | | --- | | **Sylvy wants to develop Student management system, which requires frequent insert operation about student details. In order to insert student record which statement interface will give good performance** | | Selected Option:  PreparedStatement  Correct Answer:  PreparedStatement | |
| 8 | |  | | --- | | **Which statements describe guaranteed behaviour of the garbage collection and finalization mechanisms? (Choose TWO)** | | Selected Option:  An object will not be garbage collected as long as it possible for a live thread to access it through a reference.  The finalize() method will never be called more than once on an object  Correct Answer:  The finalize() method will never be called more than once on an object  An object will not be garbage collected as long as it possible for a live thread to access it through a reference. | |

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| 9 | |  | | --- | | **Consider the following code and choose the correct option:**  **public class Test{**  **public static void main(String[] args) {**  **File dir = new File("dir");**  **dir.mkdir();**  **File f1 = new File(dir, "f1.txt"); try {**  **f1.createNewFile(); } catch (IOException e) { ; }**  **File newDir = new File("newDir");**  **dir.renameTo(newDir);} }** | | Selected Option:  The file system has a new empty directory named newDir  Correct Answer:  The file system has a directory named newDir, containing a file f1.txt | |
| 10 | |  | | --- | | **how to register driver class in the memory?** | | Selected Option:  Either forName() or registerDriver()  Correct Answer:  Either forName() or registerDriver() | |

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| 11 | |  | | --- | | **Choose the correct declaration of variable in an interface:** | | Selected Option:  final data type variablename=intialization;  Correct Answer:  public final data type varaibale=intialization; | |
| 12 | |  | | --- | | **class s implements Runnable**  **{**  **int x, y;**  **public void run()**  **{**  **for(int i = 0; i < 1000; i++)**  **synchronized(this)**  **{**  **x = 12;**  **y = 12;**  **}**  **System.out.print(x + " " + y + " ");**  **}**  **public static void main(String args[])**  **{**  **s run = new s();**  **Thread t1 = new Thread(run);**  **Thread t2 = new Thread(run);**  **t1.start();**  **t2.start();**  **}**  **} What is the output?** | | Selected Option:  Cannot determine output.  Correct Answer:  prints 12 12 12 12 | |

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| 13 | |  | | --- | | **Consider the following code and choose the correct option:**  **int array[] = new int[10];**  **array[-1] = 0;** | | Selected Option:  runtime error  Correct Answer:  runtime error | |
| 14 | |  | | --- | | **Consider the following code and choose the correct option:**  **class A{ int a; A(int a){a=4;}}**  **class B extends A{ B(){super(3);} void displayA(){**  **System.out.print(a);}**  **public static void main(String args[]){**  **new B().displayA();}}** | | Selected Option:  Compiles and display 4  Correct Answer:  compiles and display 0 | |

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| 15 | |  | | --- | | **Choose TWO correct options:** | | Selected Option:  OutputStream is the abstract superclass of all classes that represent an outputstream of bytes.  Subclasses of the class Reader are used to read character streams.  Correct Answer:  OutputStream is the abstract superclass of all classes that represent an outputstream of  bytes.  Subclasses of the class Reader are used to read character streams. | |
| 16 | |  | | --- | | **All annotation types should maually extend the Annotation interface. State TRUE/FALSE** | | Selected Option:  true  Correct Answer:  false | |

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| 17 | |  | | --- | | **Which of the following options give the valid package names? (Choose 3)** | | Selected Option:  \_score.pack.\_\_pack  $$.$$.$$  dollorpack.$pack.$$pack  Correct Answer:  dollorpack.$pack.$$pack  $$.$$.$$  \_score.pack.\_\_pack | |
| 18 | |  | | --- | | **You wish to store a small amount of data and make it available for rapid access. You do not have a need for the data to be sorted, uniqueness is not an issue and the data will remain fairly static Which data structure might be most suitable for this requirement?**  **1) TreeSet**  **2) HashMap**  **3) LinkedList**  **4) an array** | | Selected Option:  4  Correct Answer:  4 | |

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| 19 | |  | | --- | | **Which of the following methods registers a thread in a thread scheduler?** | | Selected Option:  start();  Correct Answer:  start(); | |
| 20 | |  | | --- | | **For two string objects obj1 and obj2:**  **A) Use of obj1 == obj2 tests whether two String object references refer to the same object**  **B) obj1.equals(obj2) compares the sequence of characters in obj1 and obj2.** | | Selected Option:  Only B is TRUE  Correct Answer:  Both A and B is TRUE | |

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| 1 | |  | | --- | | **class CreateFile{**  **public static void main(String[] args) {**  **try {**  **File directory = new File("c"); //Line 13**  **File file = new File(directory,"myFile");**  **if(!file.exists()) {**  **file.createNewFile(); //Line 16**  **}}**  **catch(IOException e) {**  **e.printStackTrace }**  **}}}**  **If the current direcory does not consists of directory "c", Which statements are true ? (Choose TWO)** | | Selected Option:  Line 13 creates a directory named “c” in the file system.  Line 16 is never executed  Correct Answer:  An exception is thrown at runtime  Line 13 creates a File object named “c” | |
| 2 | |  | | --- | | **Consider the following code:**  **System.out.print("Start ");**  **try**  **{**  **System.out.print("Hello world");**  **throw new FileNotFoundException();**  **}**  **System.out.print(" Catch Here "); /\* Line 7 \*/**  **catch(EOFException e)**  **{**  **System.out.print("End of file exception");**  **}**  **catch(FileNotFoundException e)**  **{**  **System.out.print("File not found");**  **}**  **given that EOFException and FileNotFoundException are both subclasses of IOException. If this block of code is pasted in a method, choose the best option.** | | Selected Option:  The code will not compile.  Correct Answer:  The code will not compile. | |

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| 3 | |  | | --- | | **Consider the following code and choose the correct option:**  **public class Test{**  **public static void main(String[] args) {**  **File dir = new File("dir");**  **dir.mkdir();**  **File f1 = new File(dir, "f1.txt"); try {**  **f1.createNewFile(); } catch (IOException e) { ; }**  **File newDir = new File("newDir");**  **dir.renameTo(newDir);} }** | | Selected Option:  The file system has a directory named newDir, containing a file f1.txt  Correct Answer:  The file system has a directory named newDir, containing a file f1.txt | |
| 4 | |  | | --- | | **The concept of multiple inheritance is implemented in Java by**  **(A) extending two or more classes**  **(B) extending one class and implementing one or more interfaces**  **(C) implementing two or more interfaces**  **(D) all of these** | | Selected Option:  (B) & (C)  Correct Answer:  (B) & (C) | |

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| 5 | |  | | --- | | **class Order{**  **Order(){**  **System.out.println("Cat");**  **}**  **public static void main(String... Args){**  **Order obj = new Order();**  **System.out.println("Ant");**  **}**  **static{**  **System.out.println("Dog");**  **}**  **{**  **System.out.println("Man");**  **}}**  **consider the code above & select the proper output from the options.** | | Selected Option:  compile error  Correct Answer:  Dog  Man  Cat  Ant | |
| 6 | |  | | --- | | **The exceptions for which the compiler doesn’t enforce the handle or declare rule** | | Selected Option:  Unchecked exceptions  Correct Answer:  Unchecked exceptions | |

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| 7 | |  | | --- | | **What is the advantage of runtime polymorphism?** | | Selected Option:  Efficient utilization of memory at runtime  Correct Answer:  Code flexibility at runtime | |
| 8 | |  | | --- | | **Given :**  **public class MainOne {**  **public static void main(String args[]) {**  **String str = "this is java";**  **System.out.println(removeChar(str,'s'));**  **}**  **public static String removeChar(String s, char c) {**  **String r = "";**  **for (int i = 0; i < s.length(); i++) {**  **if (s.charAt(i) != c)**  **r += s.charAt(i);**  **}**  **return r;**  **}**  **} What would be the result?** | | Selected Option:  none of the listed options  Correct Answer:  Thi i java | |

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| 9 | |  | | --- | | **What will be the output of the program?**  **class MyThread extends Thread**  **{**  **MyThread() {}**  **MyThread(Runnable r) {super(r); }**  **public void run()**  **{**  **System.out.print("Inside Thread ");**  **}**  **}**  **class MyRunnable implements Runnable**  **{**  **public void run()**  **{**  **System.out.print(" Inside Runnable");**  **}**  **}**  **class Test**  **{**  **public static void main(String[] args)**  **{**  **new MyThread().start();**  **new MyThread(new MyRunnable()).start();**  **}**  **}** | | Selected Option:  Prints "Inside Thread Inside Thread"  Correct Answer:  Prints "Inside Thread Inside Thread" | |
| 10 | |  | | --- | | **Which of these statements are true?** | | Selected Option:  Stack is a subclass of Vector  Correct Answer:  HashTable is a sub class of Dictionary  Stack is a subclass of Vector | |

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| 11 | |  | | --- | | **Assume the following method is properly synchronized and called from a thread A on an object B:**  **wait(2000);**  **After calling this method, when will the thread A become a candidate to get another turn at the CPU?** | | Selected Option:  After thread A is notified, or after two seconds.  Correct Answer:  After thread A is notified, or after two seconds. | |
| 12 | |  | | --- | | **What will be the result of compiling the following program?**  **public class MyClass {**  **long var;**  **public void MyClass(long param) { var = param; } // (Line no 1)**  **public static void main(String[] args) {**  **MyClass a, b;**  **a = new MyClass(); // (Line no 2)**  **}**  **}** | | Selected Option:  A compilation error will occur at (Line no 2), since the class does not have a constructor that takes one argument of type int.  Correct Answer:  The program will compile without errors. | |

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| 13 | |  | | --- | | **static int binarySearch(List list, Object key) is a method of \_\_\_\_\_\_\_\_\_\_** | | Selected Option:  Vector class  Correct Answer:  Collections class | |
| 14 | |  | | --- | | **Examine this code:**  **String stringA = "Wild";**  **String stringB = " Irish";**  **String stringC = " Rose";**  **String result;**  **Which of the following puts a reference to "Wild Irish Rose" in result?** | | Selected Option:  result = concat(StringA).concat(StringB).concat(StringC)  Correct Answer:  result = stringA.concat( stringB.concat( stringC ) ); | |

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| 15 | |  | | --- | | **Consider the following code and choose the correct option:**  **abstract class Fun{**  **void time(){**  **System.out.println("Fun Time"); }}**  **class Run extends Fun{**  **void time(){**  **System.out.println("Fun Run"); }**  **public static void main(String[] args) {**  **Fun f1=new Run();**  **f1.time(); }}** | | Selected Option:  Compilation error  Correct Answer:  Fun Run | |
| 16 | |  | | --- | | **Which of the following options contains only JDBC interfaces?** | | Selected Option:  All of the given options  Correct Answer:  1) Driver  2) Connection  3) ResultSet  4) ResultSetMetaData  5) Statement  6) PreparedStatement  7) Callablestatement  8) DataBaseMetaData | |

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| 17 | |  | | --- | | **Consider the following code and choose the correct option:**  **class Test{**  **public static void main(String args[]){**  **TreeSet<Integer> ts=new TreeSet<Integer>();**  **ts.add(1);**  **ts.add(8);**  **ts.add(6);**  **ts.add(4);**  **SortedSet<Integer> ss=ts.subSet(2, 10);**  **ss.add(9);**  **System.out.println(ts);**  **System.out.println(ss);**  **}}** | | Selected Option:  [1,4,6,8] [4,6,8,9]  Correct Answer:  [1,4,6,8,9]  [4,6,8,9] | |
| 18 | |  | | --- | | **Select the Uses of annotations. (Choose THREE)** | | Selected Option:  Information for the JVM  Runtime processing  Information For the Compiler  Correct Answer:  Information For the Compiler  Compile time and deploytime processing  Runtime processing | |

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| 19 | |  | | --- | | **State the class relationship that is being implemented by the following code:**  **class Employee**  **{**  **private int empid;**  **private String ename;**  **public double getBonus()**  **{**  **Accounts acc = new Accounts();**  **return acc.calculateBonus();**  **}**  **}**  **class Accounts**  **{**  **public double calculateBonus(){//method's code}**  **}** | | Selected Option:  Simple Association  Correct Answer:  Dependency | |
| 20 | |  | | --- | | **Which of the following statements are true regarding java.lang.Object class?**  **(Choose 2)** | | Selected Option:  Object class is an abstract class  Object class provides the method for Set implementation in Collection framework  Correct Answer:  Object class has the core methods for thread synchronization  Object class provides the method for Set implementation in Collection framework | |

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| 1 | |  | | --- | | **import java.io.EOFException;**  **import java.io.FileInputStream;**  **import java.io.FileNotFoundException;**  **import java.io.IOException;**  **import java.io.InputStreamReader;**  **public class MoreEndings {**  **public static void main(String[] args) {**  **try {**  **FileInputStream fis = new FileInputStream("seq.txt");**  **InputStreamReader isr = new InputStreamReader(fis);**  **int i = isr.read();**  **while (i != -1) {**  **System.out.print((char)i + "|");**  **i = isr.read();**  **}**  **} catch (FileNotFoundException fnf) {**  **System.out.println("File not found");**  **} catch (EOFException eofe) {**  **System.out.println("End of stream");**  **} catch (IOException ioe) {**  **System.out.println("Input error");**  **}**  **}**  **}**  **Assume that the file "seq.txt" exists in the current directory, has the required**  **access permissions, and contains the string "Hello".**  **Which statement about the program is true?** | | Selected Option:  The program will not compile because a certain unchecked exception is not caught.  Correct Answer:  The program will compile, print H|e|l|l|o|, and then terminate normally. | |
| 2 | |  | | --- | | **Given :**  **public class MainOne {**  **public static void main(String args[]) {**  **String str = "this is java";**  **System.out.println(removeChar(str,'s'));**  **}**  **public static String removeChar(String s, char c) {**  **String r = "";**  **for (int i = 0; i < s.length(); i++) {**  **if (s.charAt(i) != c)**  **r += s.charAt(i);**  **}**  **return r;**  **}**  **} What would be the result?** | | Selected Option:  Thi i java  Correct Answer:  Thi i java | |

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| 3 | |  | | --- | | **Choose the meta annotations. (Choose THREE)** | | Selected Option:  Documented  Depricated  Target  Correct Answer:  Retention  Documented  Target | |
| 4 | |  | | --- | | **Which of the following will print -4.0** | | Selected Option:  System.out.println(Math.ceil(-4.7));  Correct Answer:  System.out.println(Math.ceil(-4.7)); | |

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| 5 | |  | | --- | | **Consider the following code and choose the correct option:**  **interface employee{**  **void saldetails();**  **void perdetails();**  **}**  **abstract class perEmp implements employee{**  **public void perdetails(){**  **System.out.println("per details"); }}**  **class Programmer extends perEmp{**  **public void saldetails(){**  **perdetails();**  **System.out.println("sal details"); }**  **public static void main(String[] args) {**  **perEmp emp=new Programmer();**  **emp.saldetails(); }}** | | Selected Option:  compilation error  Correct Answer:  per details  sal details | |
| 6 | |  | | --- | | **Consider the following code and choose the correct option:**  **public class Test {**  **public static void main(String[] args) {**  **String name="Anthony Gomes";**  **System.out.println(name.replace('n', name.charAt(3)).compareTo(name)); }}** | | Selected Option:  -6  Correct Answer:  -6 | |

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| 7 | |  | | --- | | **Consider the following code and choose the correct option:**  **class Test{**  **public static void main(String args[]){**  **Long l=0l;**  **System.out.println(l.equals(0));}}** | | Selected Option:  false  Correct Answer:  false | |
| 8 | |  | | --- | | **Given:**  **public class Venus {**  **public static void main(String[] args) {**  **int [] x = {1,2,3};**  **int y[] = {4,5,6};**  **new Venus().go(x,y);**  **}**  **void go(int[]... z) {**  **for(int[] a : z)**  **System.out.print(a[0]);**  **}**  **} What is the result?** | | Selected Option:  123  Correct Answer:  14 | |

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| 9 | |  | | --- | | **TreeSet<String> s = new TreeSet<String>();**  **TreeSet<String> subs = new TreeSet<String>();**  **s.add("a"); s.add("b"); s.add("c"); s.add("d"); s.add("e");**  **subs = (TreeSet)s.subSet("b", true, "d", true);**  **s.add("g");**  **s.pollFirst();**  **s.pollFirst();**  **s.add("c2");**  **System.out.println(s.size() +" "+ subs.size());** | | Selected Option:  The size of s is 4  The size of s is 7  Correct Answer:  The size of s is 5  The size of subs is 3 | |
| 10 | |  | | --- | | **The following block of code creates a Thread using a Runnable target:**  **Runnable target = new MyRunnable();**  **Thread myThread = new Thread(target);**  **Which of the following classes can be used to create the target, so that the preceding code compiles correctly?** | | Selected Option:  public class MyRunnable implements Runnable{public void run(){}}  Correct Answer:  public class MyRunnable implements Runnable{public void run(){}} | |

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| 11 | |  | | --- | | **A) The purpose of the method overriding is to perform different operation, though input remains the same.**  **B) one of the important Object Oriented principle is the code reusability that can be achieved using abstraction** | | Selected Option:  Both A and B is FALSE  Correct Answer:  Only A is TRUE | |
| 12 | |  | | --- | | **Which of the following statement gives the use of CLASSPATH?** | | Selected Option:  Holds the location of User Defined classes, packages and JARs  Correct Answer:  Holds the location of User Defined classes, packages and JARs | |

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| 13 | |  | | --- | | **Select the correct statement:** | | Selected Option:  Private methods cannot be overridden in subclasses  Correct Answer:  Private methods cannot be overridden in subclasses | |
| 14 | |  | | --- | | **Which of the following methods are needed for loading a database driver in JDBC?** | | Selected Option:  Class.forName()  Correct Answer:  registerDriver() method and Class.forName() | |

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| 15 | |  | | --- | | **Given:**  **public class Threads4 {**  **public static void main (String[] args) {**  **new Threads4().go();**  **}**  **public void go() {**  **Runnable r = new Runnable() {**  **public void run() {**  **System.out.print("run");**  **}**  **};**  **Thread t = new Thread(r);**  **t.start();**  **t.start();**  **}**  **}**  **What is the result?** | | Selected Option:  Compilation fails.  Correct Answer:  An exception is thrown at runtime. | |
| 16 | |  | | --- | | **Which of the following methods are static?** | | Selected Option:  yield()  join()  Correct Answer:  yield()  sleep() | |

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| 17 | |  | | --- | | **class CreateFile{**  **public static void main(String[] args) {**  **try {**  **File directory = new File("c"); //Line 13**  **File file = new File(directory,"myFile");**  **if(!file.exists()) {**  **file.createNewFile(); //Line 16**  **}}**  **catch(IOException e) {**  **e.printStackTrace }**  **}}}**  **If the current direcory does not consists of directory "c", Which statements are true ? (Choose TWO)** | | Selected Option:  Line 16 is never executed  Line 13 creates a File object named “c”  Correct Answer:  An exception is thrown at runtime  Line 13 creates a File object named “c” | |
| 18 | |  | | --- | | **What is wrong with the following code?**  **Class MyException extends Exception{}**  **public class Test{**  **public void foo() {**  **try {**  **bar();**  **} finally {**  **baz();**  **} catch(MyException e) {}**  **}**  **public void bar() throws MyException {**  **throw new MyException();**  **}**  **public void baz() throws RuntimeException {**  **throw new RuntimeException();**  **}**  **}** | | Selected Option:  A catch block cannot follow a finally block  Correct Answer:  A catch block cannot follow a finally block | |

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| 19 | |  | | --- | | **Which of the following is an example of IS A relationship?** | | Selected Option:  Ford - Car  Correct Answer:  Ford - Car | |
| 20 | |  | | --- | | **Consider the following code and choose the correct option:**  **class A{ A(){System.out.print("From A");}}**  **class B extends A{ B(int z){z=2;}**  **public static void main(String args[]){**  **new B(3);}}** | | Selected Option:  Comiples and prints From A  Correct Answer:  Comiples and prints From A | |

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| 1 | |  | | --- | | **Which of the following method can be used to execute to execute all type of queries i.e. either Selection or Updation SQL Queries?** | | Selected Option:  executeAll()  Correct Answer:  execute() | |
| 2 | |  | | --- | | **What will happen when you attempt to compile and run the following code?**  **public class Bground extends Thread{**  **public static void main(String argv[]){**  **Bground b = new Bground();**  **b.run();**  **}**  **public void start(){**  **for (int i = 0; i <10; i++){**  **System.out.println("Value of i = " + i);**  **}**  **}**  **}** | | Selected Option:  A compile time error indicating that no run method is defined for the Thread class  Correct Answer:  Clean compile but no output at runtime | |

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| 3 | |  | | --- | | **class s implements Runnable**  **{**  **int x, y;**  **public void run()**  **{**  **for(int i = 0; i < 1000; i++)**  **synchronized(this)**  **{**  **x = 12;**  **y = 12;**  **}**  **System.out.print(x + " " + y + " ");**  **}**  **public static void main(String args[])**  **{**  **s run = new s();**  **Thread t1 = new Thread(run);**  **Thread t2 = new Thread(run);**  **t1.start();**  **t2.start();**  **}**  **} What is the output?** | | Selected Option:  Cannot determine output.  Correct Answer:  prints 12 12 12 12 | |
| 4 | |  | | --- | | **What happens when the constructor for FileInputStream fails to open a file for reading?** | | Selected Option:  throws a FileNotFoundException  Correct Answer:  throws a FileNotFoundException | |

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| 5 | |  | | --- | | **Given:**  **public static Iterator reverse(List list) {**  **Collections.reverse(list);**  **return list.iterator();**  **}**  **public static void main(String[] args) {**  **List list = new ArrayList();**  **list.add("1"); list.add("2"); list.add("3");**  **for (Object obj: reverse(list))**  **System.out.print(obj + ", ");**  **}**  **What is the result?** | | Selected Option:  Compilation fails.  Correct Answer:  Compilation fails. | |
| 6 | |  | | --- | | **What is the advantage of runtime polymorphism?** | | Selected Option:  Code reuse  Correct Answer:  Code flexibility at runtime | |

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| 7 | |  | | --- | | **Consider the following code and choose the correct option:**  **interface employee{**  **void saldetails();**  **void perdetails();**  **}**  **abstract class perEmp implements employee{**  **public void perdetails(){**  **System.out.println("per details"); }}**  **class Programmer extends perEmp{**  **public static void main(String[] args) {**  **perEmp emp=new Programmer();**  **emp.saldetails(); }}** | | Selected Option:  compilation error  Correct Answer:  compilation error | |
| 8 | |  | | --- | | **Give Code snipet:**  **{// Somecode**  **ResultSet rs = st.executeQuery("SELECT \* FROM survey");**  **while (rs.next()) {**  **String name = rs.getString("name");**  **System.out.println(name);**  **}**  **rs.close();**  **// somecode**  **} What should be imported related to ResultSet?** | | Selected Option:  java.sql.DriverManager  Correct Answer:  java.sql.ResultSet | |

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| 9 | |  | | --- | | **Assume the following method is properly synchronized and called from a thread A on an object B:**  **wait(2000);**  **After calling this method, when will the thread A become a candidate to get another turn at the CPU?** | | Selected Option:  Two seconds after lock B is released.  Correct Answer:  After thread A is notified, or after two seconds. | |
| 10 | |  | | --- | | **Consider the following code and choose the correct option:**  **public class X**  **{**  **public static void main(String [] args)**  **{**  **X x = new X();**  **X x2 = m1(x); /\* Line 6 \*/**  **X x4 = new X();**  **x2 = x4; /\* Line 8 \*/**  **doComplexStuff(); }**  **static X m1(X mx) {**  **mx = new X();**  **return mx; }}**  **After line 8 runs. how many objects are eligible for garbage collection?** | | Selected Option:  3  Correct Answer:  1 | |

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| 11 | |  | | --- | | **Which of the following statement gives the use of CLASSPATH?** | | Selected Option:  Holds the location of Core Java Class Library (Bootstrap classes)  Correct Answer:  Holds the location of User Defined classes, packages and JARs | |
| 12 | |  | | --- | | **Consider the following code and choose the correct option:**  **public class Test {**  **public static void main(String[] args) {**  **String name="ALDPR7882E";**  **System.out.println(name.endsWith("E") & name.matches("[A-Z]{5}[0-9]{4}[A-Z]"));}}** | | Selected Option:  1  Correct Answer:  true | |

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| 13 | |  | | --- | | **class A {**  **int i, j;**  **A(int a, int b) {**  **i = a;**  **j = b;**  **}**  **void show() {**  **System.out.println("i and j: " + i + " " + j);**  **}**  **}**  **class B extends A {**  **int k;**  **B(int a, int b, int c) {**  **super(a, b);**  **k = c;**  **}**  **void show(String msg) {**  **System.out.println(msg + k);**  **}**  **}**  **class Override {**  **public static void main(String args[]) {**  **B subOb = new B(3, 5, 7);**  **subOb.show("This is k: "); // this calls show() in B**  **subOb.show(); // this calls show() in A**  **}**  **} What would be the ouput?** | | Selected Option:  This is k: 7 i and j: 3 7  Correct Answer:  This is k: 7  i and j: 3 7 | |
| 14 | |  | | --- | | **Given:**  **class Atom {**  **Atom() { System.out.print("atom "); }**  **}**  **class Rock extends Atom {**  **Rock(String type) { System.out.print(type); }**  **}**  **public class Mountain extends Rock {**  **Mountain() {**  **super("granite ");**  **new Rock("granite ");**  **}**  **public static void main(String[] a) { new Mountain(); }**  **}**  **What is the result?** | | Selected Option:  Compilation fails.  Correct Answer:  atom granite atom granite | |

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| 15 | |  | | --- | | **Consider the following code and select the correct output:**  **class Test{**  **interface Y{**  **void display(); }**  **public static void main(String[] args) {**  **new Y(){**  **public void display(){**  **System.out.println("Hello World"); } };**  **}}** | | Selected Option:  Hello World  Correct Answer:  Compiles but run without output | |
| 16 | |  | | --- | | **The following block of code creates a Thread using a Runnable target:**  **Runnable target = new MyRunnable();**  **Thread myThread = new Thread(target);**  **Which of the following classes can be used to create the target, so that the preceding code compiles correctly?** | | Selected Option:  public class MyRunnable implements Runnable{public void run(){}}  Correct Answer:  public class MyRunnable implements Runnable{public void run(){}} | |

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| 17 | |  | | --- | | **public class MyClass {**  **static void print(String s, int i) {**  **System.out.println("String: " + s + ", int: " + i);**  **}**  **static void print(int i, String s) {**  **System.out.println("int: " + i + ", String: " + s);**  **}**  **public static void main(String[] args) {**  **print("String first", 11);**  **print(99, "Int first");**  **}**  **}What would be the output?** | | Selected Option:  String: String first, int: 11 int: 99, String: Int first  Correct Answer:  String: String first, int: 11  int: 99, String: Int first | |
| 18 | |  | | --- | | **Select the Uses of annotations. (Choose THREE)** | | Selected Option:  Compile time and deploytime processing  Information for the JVM  Information For the Compiler  Correct Answer:  Information For the Compiler  Compile time and deploytime processing  Runtime processing | |

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| 19 | |  | | --- | | **The concept of multiple inheritance is implemented in Java by**  **(A) extending two or more classes**  **(B) extending one class and implementing one or more interfaces**  **(C) implementing two or more interfaces**  **(D) all of these** | | Selected Option:  (B) & (C)  Correct Answer:  (B) & (C) | |
| 20 | |  | | --- | | **Consider the following code and choose the correct option:**  **class Test{**  **public static void main(String args[]){**  **TreeSet<Integer> ts=new TreeSet<Integer>();**  **ts.add(1);**  **ts.add(8);**  **ts.add(6);**  **ts.add(4);**  **SortedSet<Integer> ss=ts.subSet(2, 10);**  **ss.add(9);**  **System.out.println(ts);**  **System.out.println(ss);**  **}}** | | Selected Option:  [1,4,6,8,9] [4,6,8,9]  Correct Answer:  [1,4,6,8,9]  [4,6,8,9] | |

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| 1 | |  | | --- | | **Choose the meta annotations. (Choose THREE)** | | Selected Option:  Depricated  Retention  Documented  Correct Answer:  Retention  Documented  Target | |
| 2 | |  | | --- | | **Which of the following method can be used to execute to execute all type of queries i.e. either Selection or Updation SQL Queries?** | | Selected Option:  executeAll()  Correct Answer:  execute() | |

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| 3 | |  | | --- | | **Sylvy wants to develop Student management system, which requires frequent insert operation about student details. In order to insert student record which statement interface will give good performance** | | Selected Option:  PreparedStatement  Correct Answer:  PreparedStatement | |
| 4 | |  | | --- | | **Given:**  **int n = 10;**  **switch(n)**  **{**  **case 10: n = n + 1;**  **case 15: n = n + 2;**  **case 20: n = n + 3;**  **case 25: n = n + 4;**  **case 30: n = n + 5;**  **}**  **System.out.println(n);**  **What is the value of ’n’ after executing the following code?** | | Selected Option:  25  Correct Answer:  25 | |

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| 5 | |  | | --- | | **public class MyRunnable implements Runnable**  **{**  **public void run()**  **{**  **// some code here**  **}**  **}**  **which of these will create and start this thread?** | | Selected Option:  new MyRunnable().start();  Correct Answer:  new Thread(new MyRunnable()).start(); | |
| 6 | |  | | --- | | **Consider the following code and select the correct output:**  **import java.util.ArrayList;**  **import java.util.LinkedList;**  **import java.util.List;**  **public class Lists {**  **public static void main(String[] args) {**  **List<String> list=new ArrayList<String>();**  **list.add("1");**  **list.add("2");**  **list.add(1, "3");**  **List<String> list2=new LinkedList<String>(list);**  **list.addAll(list2);**  **list2 =list.subList(2,5);**  **list2.clear();**  **System.out.println(list);**  **}**  **}** | | Selected Option:  [1,3,2]  Correct Answer:  [1,3,2] | |

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| 7 | |  | | --- | | **Examine this code:**  **String stringA = "Wild";**  **String stringB = " Irish";**  **String stringC = " Rose";**  **String result;**  **Which of the following puts a reference to "Wild Irish Rose" in result?** | | Selected Option:  result = stringA.concat( stringB.concat( stringC ) );  Correct Answer:  result = stringA.concat( stringB.concat( stringC ) ); | |
| 8 | |  | | --- | | **Given:**  **public void testIfA() {**  **if (testIfB("True")) {**  **System.out.println("True");**  **} else {**  **System.out.println("Not true");**  **}**  **}**  **public Boolean testIfB(String str) {**  **return Boolean.valueOf(str);**  **}**  **What is the result when method testIfA is invoked?** | | Selected Option:  true  Correct Answer:  true | |

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| 9 | |  | | --- | | **Consider the following code and choose the correct option:**  **public class Test {**  **public static void main(String[] args) {**  **File file=new File("d:/prj,d:/lib");**  **file.mkdirs();}}** | | Selected Option:  Compilation error  Correct Answer:  Compiles and executes but directories are not created | |
| 10 | |  | | --- | | **Which statement is true?**  **A. A class's finalize() method CANNOT be invoked explicitly.**  **B. super.finalize() is called implicitly by any overriding finalize() method.**  **C. The finalize() method for a given object is called no more than once by the garbage collector.**  **D. The order in which finalize() is called on two objects is based on the order in which the two**  **objects became finalizable.** | | Selected Option:  C  Correct Answer:  C | |

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| 11 | |  | | --- | | **What will be the output of the program?**  **public class CommandArgsTwo**  **{**  **public static void main(String [] argh)**  **{**  **int x;**  **x = argh.length;**  **for (int y = 1; y <= x; y++)**  **{**  **System.out.print(" " + argh[y]);**  **}**  **}**  **}**  **and the command-line invocation is**  **> java CommandArgsTwo 1 2 3** | | Selected Option:  An exception is thrown at runtime  Correct Answer:  An exception is thrown at runtime | |
| 12 | |  | | --- | | **Given:**  **package QB;**  **class Meal {**  **Meal() {**  **System.out.println("Meal()");**  **}**  **}**  **class Cheese {**  **Cheese() {**  **System.out.println("Cheese()");**  **}**  **}**  **class Lunch extends Meal {**  **Lunch() {**  **System.out.println("Lunch()");**  **}**  **}**  **class PortableLunch extends Lunch {**  **PortableLunch() {**  **System.out.println("PortableLunch()");**  **}**  **}**  **class Sandwich extends PortableLunch {**  **private Cheese c = new Cheese();**  **public Sandwich() {**  **System.out.println("Sandwich()");**  **}**  **}**  **public class MyClass7 {**  **public static void main(String[] args) {**  **new Sandwich();**  **}**  **} What would be the output?** | | Selected Option:  Meal() Lunch() PortableLunch() Cheese() Sandwich()  Correct Answer:  Meal()  Lunch()  PortableLunch()  Cheese()  Sandwich() | |

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| 13 | |  | | --- | | **Consider the following code and choose the correct option:**  **abstract class Fun{**  **void time(){**  **System.out.println("Fun Time"); }}**  **class Run extends Fun{**  **void time(){**  **System.out.println("Fun Run"); }**  **public static void main(String[] args) {**  **Fun f1=new Run();**  **f1.time(); }}** | | Selected Option:  Fun Run  Correct Answer:  Fun Run | |
| 14 | |  | | --- | | **The following block of code creates a Thread using a Runnable target:**  **Runnable target = new MyRunnable();**  **Thread myThread = new Thread(target);**  **Which of the following classes can be used to create the target, so that the preceding code compiles correctly?** | | Selected Option:  public class MyRunnable implements Runnable{public void run(){}}  Correct Answer:  public class MyRunnable implements Runnable{public void run(){}} | |

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| 15 | |  | | --- | | **Which of the following statement gives the use of CLASSPATH?** | | Selected Option:  Holds the location of Java Extension Library  Correct Answer:  Holds the location of User Defined classes, packages and JARs | |
| 16 | |  | | --- | | **Given two programs:**  **1. package pkgA;**  **2. public class Abc {**  **3. int a = 5;**  **4. protected int b = 6;**  **5. public int c = 7;**  **6. }**  **3. package pkgB;**  **4. import pkgA.\*;**  **5. public class Def {**  **6. public static void main(String[] args) {**  **7. Abc f = new Abc();**  **8. System.out.print(" " + f.a);**  **9. System.out.print(" " + f.b);**  **10. System.out.print(" " + f.c);**  **11. }**  **12. }**  **What is the result when the second program is run? (Choose all that apply)** | | Selected Option:  Compilation fails with an error on line 8  Compilation fails with an error on line 9  Correct Answer:  Compilation fails with an error on line 8  Compilation fails with an error on line 9 | |

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| 17 | |  | | --- | | **What will be the result when you try to compile and run the following code?**  **class Base1 {**  **Base1() {**  **int i = 100;**  **System.out.println(i);**  **}**  **}**  **public class Pri1 extends Base1 {**  **static int i = 200;**  **public static void main(String argv[]) {**  **Pri1 p = new Pri1();**  **System.out.println(i);**  **}**  **}** | | Selected Option:  100 followed by 200  Correct Answer:  100 followed by 200 | |
| 18 | |  | | --- | | **public class Q {**  **public static void main(String argv[]) {**  **int anar[] = new int[] { 1, 2, 3 };**  **System.out.println(anar[1]);**  **}**  **}** | | Selected Option:  2  Correct Answer:  2 | |

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| 19 | |  | | --- | | **What is the advantage of runtime polymorphism?** | | Selected Option:  Code reuse  Correct Answer:  Code flexibility at runtime | |
| 20 | |  | | --- | | **next() method of Scanner class will return \_\_\_\_\_\_\_\_\_** | | Selected Option:  String  Correct Answer:  String | |

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| 1 | |  | | --- | | **What will be the result when you try to compile and run the following code?**  **class Base1 {**  **Base1() {**  **int i = 100;**  **System.out.println(i);**  **}**  **}**  **public class Pri1 extends Base1 {**  **static int i = 200;**  **public static void main(String argv[]) {**  **Pri1 p = new Pri1();**  **System.out.println(i);**  **}**  **}** | | Selected Option:  100 followed by 200  Correct Answer:  100 followed by 200 | |
| 2 | |  | | --- | | **next() method of Scanner class will return \_\_\_\_\_\_\_\_\_** | | Selected Option:  String  Correct Answer:  String | |

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| 3 | |  | | --- | | **Consider the following code and choose the correct option:**  **abstract class Fun{**  **void time(){**  **System.out.println("Fun Time"); }}**  **class Run extends Fun{**  **void time(){**  **System.out.println("Fun Run"); }**  **public static void main(String[] args) {**  **Fun f1=new Run();**  **f1.time(); }}** | | Selected Option:  Fun Run  Correct Answer:  Fun Run | |
| 4 | |  | | --- | | **Given:**  **public void testIfA() {**  **if (testIfB("True")) {**  **System.out.println("True");**  **} else {**  **System.out.println("Not true");**  **}**  **}**  **public Boolean testIfB(String str) {**  **return Boolean.valueOf(str);**  **}**  **What is the result when method testIfA is invoked?** | | Selected Option:  true  Correct Answer:  true | |

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| 5 | |  | | --- | | **The following block of code creates a Thread using a Runnable target:**  **Runnable target = new MyRunnable();**  **Thread myThread = new Thread(target);**  **Which of the following classes can be used to create the target, so that the preceding code compiles correctly?** | | Selected Option:  public class MyRunnable implements Runnable{public void run(){}}  Correct Answer:  public class MyRunnable implements Runnable{public void run(){}} | |
| 6 | |  | | --- | | **Given two programs:**  **1. package pkgA;**  **2. public class Abc {**  **3. int a = 5;**  **4. protected int b = 6;**  **5. public int c = 7;**  **6. }**  **3. package pkgB;**  **4. import pkgA.\*;**  **5. public class Def {**  **6. public static void main(String[] args) {**  **7. Abc f = new Abc();**  **8. System.out.print(" " + f.a);**  **9. System.out.print(" " + f.b);**  **10. System.out.print(" " + f.c);**  **11. }**  **12. }**  **What is the result when the second program is run? (Choose all that apply)** | | Selected Option:  Compilation fails with an error on line 9  Compilation fails with an error on line 8  Correct Answer:  Compilation fails with an error on line 8  Compilation fails with an error on line 9 | |

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| 7 | |  | | --- | | **Given:**  **package QB;**  **class Meal {**  **Meal() {**  **System.out.println("Meal()");**  **}**  **}**  **class Cheese {**  **Cheese() {**  **System.out.println("Cheese()");**  **}**  **}**  **class Lunch extends Meal {**  **Lunch() {**  **System.out.println("Lunch()");**  **}**  **}**  **class PortableLunch extends Lunch {**  **PortableLunch() {**  **System.out.println("PortableLunch()");**  **}**  **}**  **class Sandwich extends PortableLunch {**  **private Cheese c = new Cheese();**  **public Sandwich() {**  **System.out.println("Sandwich()");**  **}**  **}**  **public class MyClass7 {**  **public static void main(String[] args) {**  **new Sandwich();**  **}**  **} What would be the output?** | | Selected Option:  Meal() Lunch() PortableLunch() Cheese() Sandwich()  Correct Answer:  Meal()  Lunch()  PortableLunch()  Cheese()  Sandwich() | |
| 8 | |  | | --- | | **Which of the following method can be used to execute to execute all type of queries i.e. either Selection or Updation SQL Queries?** | | Selected Option:  executeAll()  Correct Answer:  execute() | |

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| 9 | |  | | --- | | **Which of the following statement gives the use of CLASSPATH?** | | Selected Option:  Holds the location of Java Extension Library  Correct Answer:  Holds the location of User Defined classes, packages and JARs | |
| 10 | |  | | --- | | **Given:**  **int n = 10;**  **switch(n)**  **{**  **case 10: n = n + 1;**  **case 15: n = n + 2;**  **case 20: n = n + 3;**  **case 25: n = n + 4;**  **case 30: n = n + 5;**  **}**  **System.out.println(n);**  **What is the value of ’n’ after executing the following code?** | | Selected Option:  25  Correct Answer:  25 | |

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| 11 | |  | | --- | | **Consider the following code and choose the correct option:**  **public class Test {**  **public static void main(String[] args) {**  **File file=new File("d:/prj,d:/lib");**  **file.mkdirs();}}** | | Selected Option:  Compilation error  Correct Answer:  Compiles and executes but directories are not created | |
| 12 | |  | | --- | | **Which statement is true?**  **A. A class's finalize() method CANNOT be invoked explicitly.**  **B. super.finalize() is called implicitly by any overriding finalize() method.**  **C. The finalize() method for a given object is called no more than once by the garbage collector.**  **D. The order in which finalize() is called on two objects is based on the order in which the two**  **objects became finalizable.** | | Selected Option:  C  Correct Answer:  C | |

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| 13 | |  | | --- | | **public class MyRunnable implements Runnable**  **{**  **public void run()**  **{**  **// some code here**  **}**  **}**  **which of these will create and start this thread?** | | Selected Option:  new MyRunnable().start();  Correct Answer:  new Thread(new MyRunnable()).start(); | |
| 14 | |  | | --- | | **Sylvy wants to develop Student management system, which requires frequent insert operation about student details. In order to insert student record which statement interface will give good performance** | | Selected Option:  PreparedStatement  Correct Answer:  PreparedStatement | |

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| 15 | |  | | --- | | **What is the advantage of runtime polymorphism?** | | Selected Option:  Code reuse  Correct Answer:  Code flexibility at runtime | |
| 16 | |  | | --- | | **Consider the following code and select the correct output:**  **import java.util.ArrayList;**  **import java.util.LinkedList;**  **import java.util.List;**  **public class Lists {**  **public static void main(String[] args) {**  **List<String> list=new ArrayList<String>();**  **list.add("1");**  **list.add("2");**  **list.add(1, "3");**  **List<String> list2=new LinkedList<String>(list);**  **list.addAll(list2);**  **list2 =list.subList(2,5);**  **list2.clear();**  **System.out.println(list);**  **}**  **}** | | Selected Option:  [1,3,2]  Correct Answer:  [1,3,2] | |

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| 17 | |  | | --- | | **What will be the output of the program?**  **public class CommandArgsTwo**  **{**  **public static void main(String [] argh)**  **{**  **int x;**  **x = argh.length;**  **for (int y = 1; y <= x; y++)**  **{**  **System.out.print(" " + argh[y]);**  **}**  **}**  **}**  **and the command-line invocation is**  **> java CommandArgsTwo 1 2 3** | | Selected Option:  An exception is thrown at runtime  Correct Answer:  An exception is thrown at runtime | |
| 18 | |  | | --- | | **public class Q {**  **public static void main(String argv[]) {**  **int anar[] = new int[] { 1, 2, 3 };**  **System.out.println(anar[1]);**  **}**  **}** | | Selected Option:  2  Correct Answer:  2 | |

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| 19 | |  | | --- | | **Examine this code:**  **String stringA = "Wild";**  **String stringB = " Irish";**  **String stringC = " Rose";**  **String result;**  **Which of the following puts a reference to "Wild Irish Rose" in result?** | | Selected Option:  result = stringA.concat( stringB.concat( stringC ) );  Correct Answer:  result = stringA.concat( stringB.concat( stringC ) ); | |
| 20 | |  | | --- | | **Choose the meta annotations. (Choose THREE)** | | Selected Option:  Depricated  Documented  Retention  Correct Answer:  Retention  Documented  Target | |

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| 1 | |  | | --- | | **Which statement is true about the following program?**  **import java.util.ArrayList;**  **import java.util.Collections;**  **import java.util.List;**  **public class WhatISThis {**  **public static void main(String[] na){**  **List<StringBuilder> list=new ArrayList<StringBuilder>();**  **list.add(new StringBuilder("B"));**  **list.add(new StringBuilder("A"));**  **list.add(new StringBuilder("C"));**  **Collections.sort(list,Collections.reverseOrder());**  **System.out.println(list.subList(1,2));**  **}**  **}** | | Selected Option:  The program will compile and throw a runtime exception  Correct Answer:  The program will compile and throw a runtime exception | |
| 2 | |  | | --- | | **Given:**  **interface A { public void methodA(); }**  **interface B { public void methodB(); }**  **interface C extends A,B{ public void methodC(); } //Line 3**  **class D implements B {**  **public void methodB() { } //Line 5**  **}**  **class E extends D implements C { //Line 7**  **public void methodA() { }**  **public void methodB() { } //Line 9**  **public void methodC() { }**  **}**  **What would be the result?** | | Selected Option:  If you define D e = (D) (new E()), then e.methodB() invokes the version of methodB() defined at line 9  Correct Answer:  If you define D e = (D) (new E()), then e.methodB() invokes the version of methodB() defined at line 9 | |

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| 3 | |  | | --- | | **Which of the following methods are needed for loading a database driver in JDBC?** | | Selected Option:  getConnection  Correct Answer:  registerDriver() method and Class.forName() | |
| 4 | |  | | --- | | **Consider the following code and choose the correct option:**  **public class Test {**  **public static void main(String[] args) {**  **String name="Anthony Gomes";**  **System.out.println(name.replace('n', name.charAt(3)).compareTo(name)); }}** | | Selected Option:  -6  Correct Answer:  -6 | |

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| 5 | |  | | --- | | **Cosider the following code & select the correct output.**  **String sql ="select rollno, name from student";**  **PreparedStatement pst=cn.prepareStatement(sql);**  **System.out.println(pst.toString());**  **ResultSet rs=pst.executeQuery();**  **while(rs.next()){**  **System.out.println(rs.getString(3)); }** | | Selected Option:  Compilation error  Correct Answer:  Compiles but error at run time | |
| 6 | |  | | --- | | **Choose TWO correct options:** | | Selected Option:  A method declaring that it throws a certain exception class may throw instances of any subclass of that exception class  The main() method of a program can declare that it throws checked exception  Correct Answer:  The main() method of a program can declare that it throws checked exception  A method declaring that it throws a certain exception class may throw instances of any subclass of that exception class | |

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| 7 | |  | | --- | | **public class MyAr {**  **public static void main(String argv[]) {**  **MyAr m = new MyAr();**  **m.amethod();**  **}**  **public void amethod() {**  **static int i1;**  **System.out.println(i1);**  **}**  **}**  **What is the Output of the Program?** | | Selected Option:  0  Correct Answer:  It is not possible to declare a static variable in side of non static method or instance method. Because Static variables are class level dependencies. | |
| 8 | |  | | --- | | **class Trial{**  **public static void main(String[] args){**  **try{**  **System.out.println("Try Block");**  **}**  **finally{**  **System.out.println("Finally Block");**  **}**  **} }** | | Selected Option:  Try Block Finally Block  Correct Answer:  Try Block Finally Block | |

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| 9 | |  | | --- | | **Inorder to remove one element from the given Treeset, place the appropriate line of code**  **public class Main {**  **public static void main(String[] args) {**  **TreeSet<Integer> tSet = new TreeSet<Integer>();**  **System.out.println("Size of TreeSet : " + tSet.size());**  **tSet.add(new Integer("1"));**  **tSet.add(new Integer("2"));**  **tSet.add(new Integer("3"));**  **System.out.println(tSet.size());**  **// remove the one element from the Treeset**  **System.out.println("Size of TreeSet after removal : " + tSet.size());**  **}**  **}** | | Selected Option:  tSet.remove(new Integer("1"));  Correct Answer:  tSet.remove(new Integer("1")); | |
| 10 | |  | | --- | | **Given:**  **public class Batman {**  **int squares = 81;**  **public static void main(String[] args) {**  **new Batman().go();**  **}**  **void go() {**  **incr(++squares);**  **System.out.println(squares);**  **}**  **void incr(int squares) { squares += 10; }**  **}**  **What is the result?** | | Selected Option:  92  Correct Answer:  82 | |

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| 11 | |  | | --- | | **What will be the output of the program?**  **class MyThread extends Thread**  **{**  **MyThread() {}**  **MyThread(Runnable r) {super(r); }**  **public void run()**  **{**  **System.out.print("Inside Thread ");**  **}**  **}**  **class MyRunnable implements Runnable**  **{**  **public void run()**  **{**  **System.out.print(" Inside Runnable");**  **}**  **}**  **class Test**  **{**  **public static void main(String[] args)**  **{**  **new MyThread().start();**  **new MyThread(new MyRunnable()).start();**  **}**  **}** | | Selected Option:  Prints "Inside Thread Inside Runnable"  Correct Answer:  Prints "Inside Thread Inside Thread" | |
| 12 | |  | | --- | | **A) Exception is the superclass of all errors and exceptions in the java language**  **B) RuntimeException and its subclasses are unchecked exception.** | | Selected Option:  Both A and B are TRUE  Correct Answer:  Only B is TRUE | |

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| 13 | |  | | --- | | **Which of the following lines of code will compile without warning or error?**  **1) float f=1.3;**  **2) char c="a";**  **3) byte b=257;**  **4) boolean b=null;**  **5) int i=10;** | | Selected Option:  Line 1, Line 3, Line 5  Correct Answer:  Line 5 | |
| 14 | |  | | --- | | **Which of the following statements are true regarding java.lang.Object class? (Choose 2)** | | Selected Option:  Object class provides the method for Set implementation in Collection framework  Object class is an abstract class  Correct Answer:  Object class has the core methods for thread synchronization  Object class provides the method for Set implementation in Collection framework | |

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| 15 | |  | | --- | | **Consider the following code and choose the correct option:**  **public class Test{**  **public static void main(String[] args) throws IOException {**  **File file = new File("d:/temp.txt");**  **FileReader reader=new FileReader(file);**  **reader.skip(7); int ch;**  **while((ch=reader.read())!=-1){**  **System.out.print((char)ch); } }}** | | Selected Option:  Skip the first seven characters and then starts reading file and display it on console  Correct Answer:  Skip the first seven characters and then starts reading file and display it on console | |
| 16 | |  | | --- | | **Choose the meta annotations. (Choose THREE)** | | Selected Option:  Override  Retention  Target  Correct Answer:  Retention  Documented  Target | |

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| 17 | |  | | --- | | **Consider the following code and choose the correct option:**  **public class X**  **{**  **public static void main(String [] args)**  **{**  **X x = new X();**  **X x2 = m1(x); /\* Line 6 \*/**  **X x4 = new X();**  **x2 = x4; /\* Line 8 \*/**  **doComplexStuff(); }**  **static X m1(X mx) {**  **mx = new X();**  **return mx; }}**  **After line 8 runs. how many objects are eligible for garbage collection?** | | Selected Option:  3  Correct Answer:  1 | |
| 18 | |  | | --- | | **Which of the following is an example of IS A relationship?** | | Selected Option:  Ford - Car  Correct Answer:  Ford - Car | |

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| 19 | |  | | --- | | **Suppose class B is sub class of class A:**  **A) If class A doesn't have any constructor, then class B also must not have any constructor**  **B) If class A has parameterized constructor, then class B can have default as well as parameterized constructor**  **C) If class A has parameterized constructor then call to class A constructor should be made explicitly by constructor of class B** | | Selected Option:  All are FALSE  Correct Answer:  Only B and C is TRUE | |
| 20 | |  | | --- | | **interface A{}**  **class B implements A{}**  **class C extends B{}**  **public class Test extends C{**  **public static void main(String[] args) {**  **C c=new C();**  **/\* Line6 \*/}}**  **Which code, inserted at line 6, will cause a java.lang.ClassCastException?** | | Selected Option:  B b=c;  Correct Answer:  A a1=(Test)c; | |