Which of these are selection statements in Java? Select one:

# **A. if()**

B. for()

C. continue

D. break

# **Question 2**

If a local variable is not initialised, it will resut in Select one:

- A. Syntax error
- B. Compile time error
- C. Run time error
- D. None of these

# **Question 3**

What is JRE?

Select one:

- A. JRE is a java based GUI application.
- B. JRE is an application development framework.
- C. JRE is an implementation of the Java Virtual Machine which executes Java programs.
- D. None of the above.

# **Question 4**

Which of these is used as default for a member of a class if no access specifier is used for it? Select one:

A. private

B. public

C. public, within its own package

D. protected

# **Question 5**

What makes a Thread to stop execution?

Select one:

- A. an interrupted exception is thrown
- B. while a thread does a read() using InputStream
- C. invoke sleep() method
- D. not possible to stop

# **Question 6**

```
Predict the output class parent { private int a=10; }
```

```
class child extends parent
int a=20;
public static void main(String args[])
System.out.println(new child().a);
}
}
Select one:
A. 20
B. 10
C. compilation errors
D. 30
Question 7
Which line of the below mentioned program generates error
              public interface MyInterface {
                        void myMethod();
                                                //line number 1
                        static void myMethod1() //line number 2
                        {
                                  System.out.println("This is the message from myMethod1()");
                        }
                        default void myMethod2() //line number 3
                        {
                                  System.out.println("This is a message from myMethod2()");
                        void mymethod4()
                                                //line number 4
                                  System.out.println("This is a message from myMethod4()");
                        }
              }
Select one:
A. Line number 1
B. Line number 2
C. Line number 3
D. Line number 4
```

Which of the following Java statements is the correct way to open a binary file called "x.dat" for writing?

Select one:

- A. FileOutputStream x = new ObjectOutputStream("x.dat");
- B. ObjectOutputStream x = new ObjectOutputStream("x.dat");
- C. ObjectOutputStream("x.dat"));
- D. FileOutputStream x = new FileOutputStream(new ObjectOutputStream("x.dat"));

### **Question 9**

Which of these is correct way of inheriting class A by class B?

Select one:

- A. class  $B + class A \{\}$
- B. class B inherits class A {}
- C. class B extends A {}
- D. class B extends class A {}

# **Question 10**

Which of the following is NOT a valid 'type' in Java?

Select one:

- a. void
- b. int
- c. Integer
- d. static

# **Question 11**

The relationship between an object and its corresponding class is referred to as

Select one:

- A. **Is-a relationship**
- B. Has-a relationship
- C. Kind-of relationship
- D. Part-of relationship

### **Question 12**

Which of the following expressions must be true if you create a thread using Thread = new Thread(object)?

Select one:

- A. object instanceof Thread
- B. object instanceof Frame
- C. object instanceof Applet
- D. object instanceof Runnable

### **Ouestion 13**

Which of these is a process of extracting/removing the state of an object from a stream?

- A. Serialization
- B. Externalization
- C. File Filtering
- D. Descrialization

Which of the following is true about RuntimeException and its subclasses? Select one:

- A. If a method throws a RuntimeException, the use of the try/catch block is optional.
- B. The FileIOException class is a subclass of RuntimeException
- C. In general, handling of RuntimeException should be done at compile time
- D. In general, RuntimeException must be caught with a try/catch block

# **Question 15**

Which of these keywords can be used to prevent Method overriding?

Select one:

- A. static
- B. constant
- C. protected
- D. **final**

### **Question 16**

In Java, what is the result of expression 5.45 + "3.2"?

Select one:

- A. The double value 8.6
- B. The string ""8.6"
- C. The long value 8
- D. The String "5.453.2"

### **Question 17**

String in Java is?

Select one:

### class

object

variable

base class of all objects

### **Question 18**

Arrays in Java are implemented as?

Select one:

a. class

# b. object

- c. variable
- d. None of the mentioned

What is the output of the below mentioned program

```
import java.io.*;
class files {
    public static void main(String args[]) {
        File obj = new File("/java/system");
        System.out.print(obj.getName());
}
Select one:
A. java
B. system
C. java/system
D. /java/system
Question 20
Which of these class is used to read and write bytes in a file? Select one:
```

A. FileReader

- B. FileWriter
- C. FileInputStream
- D. InputStreamReader

# **Question 21**

```
Predict the output of the below code:
class Student
{
    private String name;
    static int no_of_stud=0;
    public String getName()
    {
        return name;
    }
    public void setName(String name)
    {
        this.name=name;
    }
    public void showDetails()
```

```
System.out.println("Name:"+getName());
System.out.println("No of Students:"+no_of_stud);
public static void main(String args[])
Student st1=new Student();
st1.setName("John");
st1.no_of_stud++;
Student st2=new Student();
st2.setName("Job");
st2.no_of_stud++;
st1.showDetails();
st2.showDetails();
}
}
Select one:
A. Name:John
No of Students:1
Name:Job
No of Students:2
B. Name:Job
No of Students:1
Name:Job
No of Students:1
C.
Name:John
No of Students:1
Name:Job
No of Students:1
D.
Name:John
No of Students:2
Name:Job
No of Students:2
E. The code does not compile
Question 22
```

In the below program public class VarTest {

```
private static String s1 = null;
private int count;
public static void main(String[] args) {
  s1 = "abc";
  count = 100;
}
public void operation(){
  s1 = "xyz";
  count = 200;
}
}
```

This class does not compile because

Select one:

- A. static varibale s1 is accessed in instance method operation
- B. instance variable count is accessed in instance method operation
- C. static varibale s1 is accessed in static method main
- D. instance variable count is accessed in static method main

# **Question 23**

```
Predict the output of the below mentioned program
```

```
public class TestClass {
    public static void main(String args[])
    {
        ArrayList<String> list=new ArrayList<String>();
        list.add("abc");
        list.add("xyz");
        list.add("pqr");
        list.forEach(System.out::println);
    }
}
```

Select one:

### A. abc xyz pqr

- B. No output
- C. Program will generate compilation error
- D. An exception will be thrown during runtime

# **Question 24**

Which of these keywords cannot be used for a class which has been declared final?

### A. abstract

- B. extends
- C. abstract and extends
- D. None of the mentioned

# **Question 25**

```
Predict the output of below program class Test

{
    public static void main(String args[])
    {
        boolean b="true";
        System.out.println(b);
    }

Select one:
A. true
B. false
```

# C. compilation error-incompatible types

D. compilation error-cannot find symbol

# **Question 26**

The output of the java compiler is a

Select one:

### a. .class file

```
b. .jar file
```

c. .java file

d. .exe file

# **Question 27**

```
What will be the output of the program? for (int i=0; i<4; i+=2) {
```

System.out.print(i + " ");
}

System.out.println(i); /\* Line 5 \*/

A.024

B. 0 2 4 5

C. 0 1 2 3 4

# **D.Compilation Fails**

B C D

# **Question 28**

Which of these statement is incorrect? Select one:

- A. All object of a class are allotted memory for the all the variables defined in the class.
- B. If a function is defined public it can be accessed by object of other class by inheritation.
- C. main() method must be made public.
- D. All object of a class are allotted memory for the methods defined in the class.

# **Question 29**

What is the return type of a method that does not return any value?

Select one:

A. int

B. float

C. void

D. char

# **Question 30**

A class member declared protected becomes member of subclass of which type? Select one:

A. public member

# B. private member

C. protected member

D. static member

### **Question 31**

How many public interfaces a single java file can contain?

Select one:

- A. Only one
- B. Many
- C. Two only
- D. None of these

# **Question 32**

Which of these constructors is used to create an empty String object? Select one:

- a. String()
- b. String(void)
- c. String(0)

d. None of the mentioned

# **Question 33**

Which statement is true about static keyword?

Select one:

### A. Only one copy per class

- B. Each instance of the class will have their own copy of the static member
- C. You always need an instance of the class to access the static member
- D. You cannot declare a data member as static, you can only declare methods as static

# **Question 34**

Which of the following is incorrect statement about packages? Select one:

- A. Package defines a namespace in which classes are stored.
- B. A package can contain other package within it.
- C. Java uses file system directories to store packages.
- D. A package can be renamed without renaming the directory in which the classes are stored.

# **Question 35**

Which of these keywords is used to prevent content of a variable from being modified? Select one:

### A. final

B. last

C. constant

D. static

# **Question 36**

What will this code print?

int arr[] = new int [5];
System.out.print(arr);
Select one:

A. 0

B. 5

C. 00000

D. Garbage value

# **Question 37**

### What is the output of the following program?

```
class Test1{
```

```
public static void main( String[] args ) throws Exception{
  B obj = new B();
  }
 }
 class A{
  public A( boolean bFlag ){
  System.out.println("Inside the constructor of A");
 class B extends A{
  public B(){
  System.out.println("Inside the constructor of B");
 }
Select one:
A. Prints the following line Inside the constructor of B
B. Compile and result in RunTime error.
C. Prints the following line Inside the constructor of A
D. Will not compile.
Question 38
Predict the output of below program
class StaticTest
       static int var=10;
       class Test
       int var=33;
               public static void main(String args[])
               System.out.println(StaticTest.var);
```

A. 10

Select one:

# B. Compilation error

C. 33

D. Runtime Exception

Identify the type of inheritance when two or more subclasses inherit the properties of a super class. Select one:

- a. Multiple inheritance
- b. Single inheritance
- c. Multilevel inheritance
- d. Hierarchical inheritance

### **Question 40**

What is the return type of Constructors?

Select one:

A. int

B. void

C. float

D. none of above

# **Question 41**

Which of the following feature is not supported by java?

Select one:

- a. Multithreading
- b. Reflection
- c. Operator Overloading
- d. Garbage Collection

# **Question 42**

What is Truncation in Java?

Select one:

- A. Floating-point value assigned to an integer type.
- B. Integer value assigned to floating type.
- C. Floating-point value assigned to an Floating type.
- D. Integer value assigned to floating type.

# **Question 43**

Which keyword is used to create an instance of a class?

Select one:

A. final

B. instanceof

C. new

D. extends

# **Question 44**

class Lock{
public synchronized syncMethod(){

```
}
public unSyncMethod(){
}
```

While thread A is executing syncMethod() on object L1 of Lock, which of the following is true?

Select one:

- A. thread B can not execute unSyncMethod() parallelly to thread A
- B. thread B can execute unSyncMethod() parallelly to thread A
- C. thread B can execute either syncMethod() or unSyncMethod() parallelly to thread A
- D. thread B can execute neither syncMethod() nor unSyncMethod() parallelly to thread A

### **Question 45**

```
What is the output of this program?
  class recursion {
     int func (int n) {
       int result;
       if (n == 1)
          return 1;
       result = func (n - 1);
       return result;
     }
  }
  class Output {
     public static void main(String args[]) {
       recursion obj = new recursion();
       System.out.print(obj.func(5));
     }
  }
Select one:
A. 0
B. 1
C. 120
```

# **Question 46**

Which method can be defined only once in a program? Select one:

# A. main method

- B. finalize method
- C. static method
- D. private method

Which of the following are true about interfaces.

Select one:

- A. Methods declared in interfaces are implicitly private.
- B. Variables declared in interfaces are implicitly public, static, and final.
- C. An interface contains any number of method definitions.
- D. The keyword implements indicate that an interface inherits from another.

# **Question 48**

Which of these is a super class of all exceptional type classes?

Select one:

- A. String
- B. RuntimeExceptions
- C. Throwable
- D. Cachable

# **Question 49**

Predict the output of the below mentioned program

```
class Calculator
{
public int add(int num1,int num2)
{
return num1+num2;
}
public float add(int num1,int num2)
{
return num1+num2;
}
}
public class Test {
public static void main(String[] args) {
Calculator calc=new Calculator();
System.out.println(calc.add(10,20));
}
}
```

- A. Compilation error
- B. Program will compile, but no output

- C. Will print 30
- D. None of above

```
What is the output of the following program?

public class Test1 {

    static {
        System.out.println("Inside Static Block");
    }

    public static void main( String[] args ) {
        System.out.println("Inside Main");
    }
}

Select one:

A. Will not compile

B. Prints the following line
```

# Inside MainC. Prints the following lines:

- Inside Static Block
- Inside Main
- D. Prints the following lines
  - Inside Main
  - Inside Static Block

# **Question 51**

Which of these jump statements can skip processing remainder of code in its body for a particular iteration?

Select one:

- a. break
- b. return
- c. exit

### d. continue

# **Question 52**

Which of these operators is used to allocate memory to array variable in Java?

Select one:

- a. malloc
- b. alloc

### c. new

d. new malloc

# **Question 53**

Not yet answered Marked out of 1.00 Flag question

### **Ouestion text**

Java allows, same compiled program to be executed on multiple operating systems without any modification in the source code

Select one:

### True

False

# **Question 54**

Not yet answered Marked out of 1.00 Flag question

### **Question text**

Which of the following is/are **true** about inheritance in Java.

- 1) In Java all classes inherit from the Object class directly or indirectly. The Object class is root of all classes.
- 2) Multiple inheritance is not allowed in Java.
- 3) Unlike C++, there is nothing like type of inheritance in Java where we can specify whether the inheritance is protected, public or private.

Select one:

### a. 1, 2 and 3

b. 1 and 2

c. 2 and 3

d. 1 and 3

# **Question 55**

Not yet answered Marked out of 1.00 Flag question

### **Question text**

What will happen when you attempt to compile and run the following code?

```
class Base{
Base(){
System.out.println("Base");
}

public class Checket extends Base{
public static void main(String argv[]){
Checket c = new Checket();
super();
}
```

```
Checket(){
System.out.println("Checket");
     }
}
Select one:
A. Compile time error
B. Checket followed by Base
C. Base followed by Checket
D. runtime error
Question 56
Not yet answered
Marked out of 1.00
Flag question
Question text
Which of these class is related to all the exceptions that cannot be caught?
Select one:
<mark>a. Error</mark>
b. Exception
c. RuntimeExecption
d. All of the mentioned
Question 57
Not yet answered
Marked out of 1.00
Flag question
Question text
What is the output for the below code?
public class Test {
public static void main(String[] args) {
Boolean expr = true;
if (expr) {
System.out.println("true");
} else {
System.out.println("false");
}
}
Select one:
A. True
```

B. Compile Error - can't use Boolean object in if().

C. false

D. Compile Properly but Runtime Exception.

# **Question 58**

Providing access to an object only through its member functions, while keeping the details private is called

Select one:

a. information hiding

# b. encapsulation

- c. abstraction
- d. class

# **Question 59**

Which method of ServerSocket class is used for making the server wait for the client requests?

Select one:

A. wait()

B. listen()

C. join()

D. accept()

# **Question 60**

```
What will be the output of the program?
public class Sample
{
    public static void main(String[] args)
    {
        try
        {
            return;
        }
        finally
        {
                System.out.println( "Finally" );
        }
    }
}
```

- A. Finally
- B. Compilation fails
- C. The code runs with no output
- D. An exception is thrown at runtime

How can you have a "try catch" block that invokes methods that throw two different exceptions? Select one:

- A. Catch one exception in a "catch" block and the other in a "finally" block.
- B. Catch one exception in a "catch" block and the other via the return value.
- C. Use wait() between the calls to process all exceptions before continuing.
- D. Include a "catch" block for each exception.

### **Question 62**

If explicit constructors are not defined, which will be used to instantiate a new instance of class Select one:

- A. Empty constructor
- B. Default constrcutor
- C. Nullary constructor
- D. All the above

### **Question 63**

Not yet answered Marked out of 1.00 Flag question

### **Question text**

Which among the following is the compulsory section of java program? Select one:

- A. package Statement
- B. import Statement
- C. Documentation section
- D. Class declaration section

### **Question 64**

```
What will be the output of the program?
for(int i = 0; i < 3; i++)
{
    switch(i)
    {
        case 0: break;
        case 1: System.out.print("one ");
        case 2: System.out.print("two ");
        case 3: System.out.print("three ");
    }
}</pre>
```

System.out.println("done");

Select one:
done
one two done
one two three done
one two three two three done

Which of these process occur automatically by java run time system? Select one:

A. Serialization

**Question 65** 

- B. Garbage collection
- C. File Filtering
- D. All of the mentioned

# **Question 66**

Mechanism of deriving a class from another derived class is known as\_\_\_\_\_

Select one:

- A. Polymorphism
- B. Single Inheritance
- C. Multilevel Inheritance
- D. Multiple inheritance

### **Question 67**

Exception that is identified during compile time is called ...... exception.

Select one:

- A. user defined
- B. checked
- C. undefined
- D. defined

# **Question 68**

- a. It will contain a garbage value
- b. It will initialized with zero
- c. Compiler will give an error
- d. None of the options

### **Question 69**

Which refers to a channel through which data flow from the source to the destination: Select one:

A. String

- B. Character
- C. Stream
- D. Buffer

What is polymorphism in Java?

Select one:

- a. It is when a single variable is used with several different types of related objects at different places in a program
- b. It is when a program uses several different types of objects, each with its own variable.
- c. It is when a single parent class has many child classes.
- d. None of the above options

# **Question 71**

Which lines of the following will produce an error?

- 1. byte a1 = 2, a2 = 4, a3;
- 2. short s = 16;
- 3. a2 = s;
- 4. a3 = a1 \* a2;

(The lines are numbered only for illustration in this question.)

Select one:

- A. Line 3 and Line 4
- B. Line 1 only
- C. Line 3 only
- D. Line 1 and Line 4

# **Question 72**

What is the error in this code?

byte b = 50; b = b \* 50;

Select one:

- a. b can not store the result 2500, limited by its range.
- b. \* operator has converted b \* 50 into int, which can not be converted to byte without casting.
- c. b can not contain value 50.
- d. No error in this code

# **Question 73**

Which of the following loops will execute the body of loop even when condition controlling the loop is initially false?

- a. do-while
- b. while
- c. for
- d. None of the mentioned

An object's class definition must include which of the following clauses in order to allow object I/O?

Select one:

- a. implements Portable
- b. implements Recoverable
- c. implements Serializable
- d. implements Writable

# **Question 75**

Which of the following is a valid declaration of an object of class Box?

Select one:

- a. Box obj = new Box();
- b. Box obj = new Box;
- c. obj = new Box();
- d. new Box obj;

# **Question 76**

### **Question text**

An expression involving byte, int, and literal numbers is promoted to which of these? Select one:

### a. int

- b. long
- c. byte
- d. float

# **Question 77**

When writing exception handling code, if you specify, multiple catch block for a try block, you cannot specify the finally block

Select one:

True

**False** 

# **Question 78**

### **Question text**

When a program class implements an interface, it must provide behavior for Select one:

- a. two methods defined in that interface
- b. any methods in a class
- c. only certain methods in that interface
- d. all methods defined in that interface

What is the recommended order of declaring variable types?

Select one:

A. Public, protected, private

# B. Private, protected, public

C. Protected, private, public

D. The variables can be declared in any order

### **Question 80**

Not yet answered Marked out of 1.00 Flag question

# **Question text**

Which keyword is used by a method to refer to the object that invoked it?

Select one:

a. super

b. parent

c. abstract

d. this

### **Question 81**

Which one creates an instance of an array?

Select one:

```
int[] ia = new int[15];
float fa = new float[20];
char[] ca = "Some String";
int ia[][] = { 4, 5, 6 }, { 1,2,3 };
```

# **Question 82**

Which of the following mechanisms is/are provided by Object Oriented Language to implement Object Oriented Model?

Select one:

A. Encapsulation

B. Inheritance

C. Polymorphism

D. All of the above options

# **Question 83**

Which of these cannot be declared static?

Select one:

A. class

B. object

C. variable

### D. method

# **Question 84**

Which of the following statements are incorrect?

Select one:

- a. Default constructor is called at the time of declaration of the object if a constructor has not been defined.
- b. Constructor can be parameterized.
- c. finalize() method is called when a object goes out of scope and is no longer needed.
- d. finalize() method must be declared protected.

# **Question 85**

Which is the last method invoked when an exception is raised?

Select one:

```
A. finally{}
```

- B. hashCode{}
- C. finalize{}
- D. toString{}

### **Question 86**

An abstract class can not be instantiated because

Select one:

- A. Abstract classes have only static methods
- B. Abstract classes can not be extended
- C. Abstract classes are not thread safe
- D. Abstract classes contain un-implemented method definitions

# **Question 87**

What is the output of the following program?

```
class Test1{
  static{
    System.out.println("Inside Static Block");
  }
  public static void main( String[] args ){
    System.out.println("Inside Main");
  }
}
Select one:
A. Will not compile
```

B. Prints the following line

Inside Main

# C. Prints the following lines

**Inside Static Block** 

**Inside Main** 

D. Prints the following lines

Inside Main

Inside Static Block

# **Question 88**

Which of these values is returned by read() method if end of file (EOF) is encountered? Select one:

A. 0

B. 1

C. -1

D. Null

# **Question 89**

When using method overriding, which of the following is true?

Select one:

- a. The number of parameters determines which version of an overridden method is invoked.
- b. The class determines which version of an overridden method is invoked.
- c. The method determines which version of an overridden method is invoked.
- **d.** The object reference determines which version of an overridden method is invoked.

# **Question 90**

Say true or false: If objects are encapsulated, the rest of the system interacts with an object only through a well-defined set of services

Select one:

**True** 

False

Which of the following feature is not supported by java?

Select one:

- a. Multithreading
- b. Reflection
- c. Operator Overloading
- d. Garbage Collection

### **Question text**

What is the output of the following program

```
public class Test {
  public static void main(String [] args) {
    String str1 = "first string";
    String str2 = new String("first string");
    String str3 = "first string";
    boolean test1 = (str1 == str2);
```

```
boolean test2 = (str1 == str3);
if( test1 ) System.out.println("first");
if( test2 ) System.out.println("second");
}
Select one:
```

A. first

### B. second

C. compilation error

D. None of the above options

Which keyword can protect a class in a package from accessibility by the classes outside the package?

Select one:

### A. Don't use any keyword at all (make it default)

- B. Private
- C. Protected
- D. Final

Which of these keywords cannot be used for a class which has been declared final?

Select one:

### A. abstract

- B. extends
- C. abstract and extends
- D. None of the mentioned

What is an aggregate object?

Select one:

- A. An object instance that has only static methods.
- B. An object instance that has only primitive attributes.

### C. An object instance that contains other objects

D. An object that has only primitive attributes and instances methods.

The ...... object provides you with methods to access data from the table.

Select one:

- A. ResultSet
- B. Parametrized
- C. TableStatement
- D. Condition

What is the output of this program?

```
import java.text.*;
import java.util.*;
class Date_formatting {
```

```
Date date = new Date();
            SimpleDateFormat sdf;
          sdf = new SimpleDateFormat("mm:hh:ss");
          System.out.print(sdf.format(date));
       }
     }
Note: The program is executed at 3 hour 55 minutes and 4 sec (24 hours time).
Select one:
A. 3:55:4
B. 3.55.4
C. 55:03:04
D. 03:55:04
Which of these is used to access member of class before object of that class is created?
Select one:
a. public
b. private
c. static
d. protected
What is the error in the following code?
      class Test {
      abstract void display();
      }
Select one:
a. No error
b. Method display() should be declared as static
c. Test class should be declared as abstract
d. Test class should be declared as public
Predict the output of the following program
class Parent
{
}
class Child extends Parent
{
```

public static void main(String args[]) {

```
public class Test {
public static void main(String[] args) {
Parent p=new Parent(); // line number 1
Parent p1=new Child();// line number 2
Child c=new Parent();//line number 3
Child c1=new Child(); // line number 4
}
```

### Select one:

# A. Line number 3 will generate an error

- B. Line number 1 will generate an error
- C. Line number 2 will generate an error
- D. Line number 4 will generate an error

A collection of methods with no implementation is called

Select one:

- A. Classes
- B. **Interfaces**
- C. Fields
- D. Data

Which of these cannot be used for a variable name in Java?

Select one:

- A. identifier
- B. keyword

# C. identifier & keyword

D. None of the mentioned