1) Which of the following is not a Java features?

1. Dynamic
2. Architecture Neutral
3. Use of pointers
4. Object-oriented

2) What should be the execution order, if a class has a method, static block, instance block, and constructor, as shown below?

public class First\_C {

      public void myMethod()

    {

    System.out.println("Method");

    }

    {

    System.out.println(" Instance Block");

    }

    public void First\_C()

    {

    System.out.println("Constructor ");

    }

    static {

        System.out.println("static block");

    }

    public static void main(String[] args) {

    First\_C c = new First\_C();

    c.First\_C();

    c.myMethod();

  }

}

1. Instance block, method, static block, and constructor
2. Method, constructor, instance block, and static block
3. Static block, method, instance block, and constructor
4. Static block, instance block, constructor, and method

3) What will be the output of the following program?

public class MyFirst {

      public static void main(String[] args) {

         MyFirst obj = new MyFirst(n);

 }

 static int a = 10;

 static int n;

 int b = 5;

 int c;

 public MyFirst(int m) {

       System.out.println(a + ", " + b + ", " + c + ", " + n + ", " + m);

   }

// Instance Block

  {

     b = 30;

     n = 20;

  }

// Static Block

  static

{

          a = 60;

     }

 }

1. 10, 5, 0, 20, 0
2. 10, 30, 20
3. 60, 5, 0, 20
4. 60, 30, 0, 20, 0

4) \_\_\_\_\_ is used to find and fix bugs in the Java programs.

1. JVM
2. JRE
3. JDK
4. JDB

5) What will be the output of the following program?

public class Test {

public static void main(String[] args) {

    int count = 1;

    while (count <= 15) {

    System.out.println(count % 2 == 1 ? "\*\*\*" : "+++++");

    ++count;

        }      // end while

    }       // end main

 }

1. 15 times \*\*\*
2. 15 times +++++
3. 8 times \*\*\* and 7 times +++++
4. Both will print only once

6) Which of the following tool is used to generate API documentation in HTML format from doc comments in source code?

1. javap tool
2. javaw command
3. Javadoc tool
4. javah command

7) Which of the following for loop declaration is not valid?

1. for ( int i = 99; i >= 0; i / 9 )
2. for ( int i = 7; i <= 77; i += 7 )
3. for ( int i = 20; i >= 2; - -i )
4. for ( int i = 2; i <= 20; i = 2\* i )

8) Which method of the Class.class is used to determine the name of a class represented by the class object as a String?

1. getClass()
2. intern()
3. getName()
4. toString()

9) In which process, a local variable has the same name as one of the instance variables?

1. Serialization
2. Variable Shadowing
3. Abstraction
4. Multi-threading

10) Which of the following is true about the anonymous inner class?

1. It has only methods
2. Objects can't be created
3. It has a fixed class name
4. It has no class name

11) Which package contains the Random class?

1. java.util package
2. java.lang package
3. java.awt package
4. java.io package

12) What do you mean by nameless objects?

1. An object created by using the new keyword.
2. An object of a superclass created in the subclass.
3. An object without having any name but having a reference.
4. An object that has no reference.

13) Which option is false about the *final* keyword?

1. A *final* method cannot be overridden in its subclasses.
2. A *final* class cannot be extended.
3. A *final* class cannot extend other classes.
4. A *final* method can be inherited.

14) Which of these classes are the direct subclasses of the Throwable class?

1. RuntimeException and Error class
2. Exception and VirtualMachineError class
3. Error and Exception class
4. IOException and VirtualMachineError class

15) In which memory a String is stored, when we create a string using new operator?

1. Stack
2. String memory
3. Heap memory
4. Random storage space

16) Which of the following is a reserved keyword in Java?

1. object
2. strictfp
3. main
4. system

17) Which keyword is used for accessing the features of a package?

1. package
2. import
3. extends
4. export

18) In java, jar stands for\_\_\_\_\_.

1. Java Archive Runner
2. Java Application Resource
3. Java Application Runner
4. None of the above

19) What will be the output of the following program?

public class Test2 {

    public static void main(String[] args) {

        StringBuffer s1 = new StringBuffer("Complete");

        s1.setCharAt(1,'i');

        s1.setCharAt(7,'d');

        System.out.println(s1);

     }

 }

1. Complete
2. Iomplede
3. Cimpletd
4. Coipletd

20) Given,

ArrayList list = new ArrayList();

What is the initial quantity of the ArrayList list?

1. 5
2. 10
3. 0
4. 100

21) Which of the following is a mutable class in java?

1. java.lang.String
2. java.lang.Byte
3. java.lang.Short
4. java.lang.StringBuilder

22) Which of the following is a valid declaration of a char?

1. char ch = '\utea';
2. char ca = 'tea';
3. char cr = \u0223;
4. char cc = '\itea';

23) Which of the following is false?

1. The rt.jar stands for the runtime jar
2. It is an optional jar file
3. It contains all the compiled class files
4. All the classes available in rt.jar is known to the JVM

24) Which of the given methods are of Object class?

1. notify(), wait( long msecs ), and synchronized()
2. wait( long msecs ), interrupt(), and notifyAll()
3. notify(), notifyAll(), and wait()
4. sleep( long msecs ), wait(), and notify()

25) Which of the following is a valid syntax to synchronize the HashMap?

1. Map m = hashMap.synchronizeMap();
2. HashMap map =hashMap.synchronizeMap();
3. Map m1 = Collections.synchronizedMap(hashMap);
4. Map m2 = Collection.synchronizeMap(hashMap);

26) How many threads can be executed at a time?

1. Only one thread
2. Multiple threads
3. Only main (main() method) thread
4. Two threads

27) If three threads trying to share a single object at the same time, which condition will arise in this scenario?

1. Time-Lapse
2. Critical situation
3. Race condition
4. Recursion

28) If a thread goes to sleep

1. It releases all the locks it has.
2. It does not release any locks.
3. It releases half of its locks.
4. It releases all of its lock except one.

29) What is the result of the following program?

public static synchronized void main(String[] args) throws

InterruptedException {

     Thread f = new Thread();

      f.start();

      System.out.print("A");

      f.wait(1000);

      System.out.print("B");

}

1. It prints A and B with a 1000 seconds delay between them
2. It only prints A and exits
3. It only prints B and exits
4. A will be printed, and then an exception is thrown.

30) In character stream I/O, a single read/write operation performs \_\_\_\_\_.

1. Two bytes read/write at a time.
2. Eight bytes read/write at a time.
3. One byte read/write at a time.
4. Five bytes read/ write at a time.

31) Which of the following option leads to the portability and security of Java?

1. Bytecode is executed by JVM
2. The applet makes the Java code secure and portable
3. Use of exception handling
4. Dynamic binding between objects

32) An Arithmetic expression in Java involves which Operators or Operations?

A) Addition (+), Subtraction (-)

B) Multiplication (\*), Division (/)

C) Modulo Division (%), Increment/Decrement (++/--), Unary Minus (-), Unary Plus (+)

D) All the above

33) What is the output of the below Java code snippet?

int a = 2 - - 7;

System.out.println(a);

A) -5

B) 10

C) 9

D) Compiler Error

34) Which statement is true about Java?  
a) Java is a sequence-dependent programming language  
b) Java is a code dependent programming language  
c) Java is a platform-dependent programming language  
d) Java is a platform-independent programming language

35) Which one of the following is not a Java feature?  
a) Object-oriented  
b) Use of pointers  
c) Portable  
d) Dynamic and Extensible

36) Which of these cannot be used for a variable name in Java?  
a) identifier & keyword  
b) identifier  
c) keyword  
d) none of the mentioned

37) Which of these cannot be used for a variable name in Java?  
a) identifier & keyword  
b) identifier  
c) keyword  
d) none of the mentioned

38) Which of the following is not an OOPS concept in Java?  
a) Polymorphism  
b) Inheritance  
c) Compilation  
d) Encapsulation

39) What is not the use of “this” keyword in Java?  
a) Referring to the instance variable when a local variable has the same name  
b) Passing itself to the method of the same class  
c) Passing itself to another method  
d) Calling another constructor in constructor chaining

40) Which of the following is a type of polymorphism in Java Programming?  
a) Multiple polymorphism  
b) Compile time polymorphism  
c) Multilevel polymorphism  
d) Execution time polymorphism

41) What will be the output of the following Java code?

1. class box
2. {
3. int width;
4. int height;
5. int length;
6. }
7. class main
8. {
9. public static void main(String args[])
10. {
11. box obj = new box();
12. obj.width = 10;
13. obj.height = 2;
14. obj.length = 10;
15. int y = obj.width \* obj.height \* obj.length;
16. System.out.print(y);
17. }
18. }

a) 100  
b) 400  
c) 200  
d) 12

42) What is Truncation in Java?  
a) Floating-point value assigned to a Floating type  
b) Floating-point value assigned to an integer type  
c) Integer value assigned to floating type  
d) Integer value assigned to floating type

43) Which exception is thrown when java is out of memory?  
a) MemoryError  
b) OutOfMemoryError  
c) MemoryOutOfBoundsException  
d) MemoryFullException

44) Which of these are selection statements in Java?  
a) break  
b) continue  
c) for()  
d) if()

45) What will be the output of the following Java program?

1. class Output
2. {
3. public static void main(String args[])
4. {
5. double x = 2.0;
6. double y = 3.0;
7. double z = Math.pow( x, y );
8. System.out.print(z);
9. }
10. }

a) 9.0  
b) 8.0  
c) 4.0  
d) 2.0

46) Which of the below is not a Java Profiler?  
a) JProfiler  
b) Eclipse Profiler  
c) JVM  
d) JConsole

47) Which of these keywords are used for the block to be examined for exceptions?  
a) check  
b) throw  
c) catch  
d) try

48) Which one of the following is not an access modifier?  
a) Protected  
b) Void  
c) Public  
d) Private

49) Which class provides system independent server side implementation?  
a) Server  
b) ServerReader  
c) Socket  
d) ServerSocket

50) Which of the following is true about servlets?  
a) Servlets can use the full functionality of the Java class libraries  
b) Servlets execute within the address space of web server, platform independent and uses the functionality of java class libraries  
c) Servlets execute within the address space of web server  
d) Servlets are platform-independent because they are written in java