Core Java – Paper-1

1. Which is default package for every java program?
    a) java.default
    b) java.io
    c) java.util
    d) java.lang

2. How many memories are there in java?
    a) 4
    b) 5
    c) 3
    d) 2
    e) 1

3. A .class file contains?
    a) Java code
    b) Byte code
    c) Assembly code
    d) All the above

4. Using which operator we can create object in java?
    a) create
    b) open
    c) new
    d) start

5. Which variable take place in heap area?
    a) Instance variable
    b) Static variable
    c) Local variable
    d) None

6. Which module is used to develop mobile applications?
    a) J2SE
    b) J2EE
    c) J2ME
    d) All the above

7. A variable which is declared inside method, block and constructor is called?
    a) Instance variable
    b) Local variable
    c) Static variable
    d) Reference variable

8. Which component is used to destroy the objects in java?
    a) Compiler
    b) JVM
    c) Container
    d) Garbage Collector

9. What is project?
    a) Collection of programs
    b) Collection of instructions
    c) Collection of modules
    d) Collection of features

10. Which component is used to run java applications?
    a) JDK
    b) JRE
    c) JVM
    d) OS
    e) None
    f) All

11. Which module is used to develop Enterprises Applications?
    a) JSE
    b) JEE
    c) JME
    d) All the above

12. Can we declare multiple classes in a java program?
    a) Yes
    b) No

13. Who is the responsible to run java application in java?
    a) Constructor
    b) Destructor
    c) JVM
    d) Garbage Collector

14. Using which methods we can call Garbage Collector?
    a) Runtime.getRuntime().gc();
    b) System.gc()
    c) Both a and b
    d) None of the above

15. Which is used to find and fix bugs in the java programs?
    a) JVM
    b) JRE
    c) JDK
    d) JDB

16. What is false about native method?
    a) Native methods will store in native method stack.
    b) Native methods are developed by using some other lang.
    c) Native methods we can't execute directly.
    d) Native methods we can execute directly.

17. Which modifier is allowed to local variable?
    a) public
    b) private
    c) final
    d) static

18. Evaluate the following java expression if X=3, Y=5 and Z=10?

    Z + Y-Y + Z + X

    a) 24
    b) 22
    c) 23
    d) 20

19. Can we execute below code?

    public class Test

    {

          //empty class

    }

    a) YES
    b) C.T.E
    c) R.E
    d) No output

20. A program is a set of_____?
    a) applications
    b) programs
    c) instructions
    d) software's

21. What is true about JVM?
    a) It compiles the code rapidly.
    b) It executes the code in bulk lines.
    c) It executes the code line by line procedure.
    d) It compiles the code line by line procedure.

22. Java originally known as____?
    a) Silk
    b) R language
    c) Extension of C++
    d) OAK

23. In which year java was developed?
   a) 1991
   b) 1995
   c) 1999
   d) 1994

24. Which is the latest version of java?
   a) Java 8
   b) Java 11
   c) Java 21
   d) Java 22
   e) Java 23
   f) Java 24

25. Which is not a feature of java?
   a) Multithreaded
   b) Portable
   c) Architecture neutral
   d) Pointers

26. Which is mostly used datatype in java?
   a) byte
   b) short
   c) int
   d) float

27. Which datatype takes less side in java?
   a) int
   b) float
   c) double
   d) boolean
   e) char

28. What is package?
   a) Collection of variables and methods
   b) Collection of variable, methods and objects.
   c) Collection of classes and interfaces
   d) Collection of objects.

29. What is the default value for Boolean datatype?
   a) true
   b) false
   c) null
   d) Not applicable

30. What is true about java
   a) It is a robust technology
   b) It is a highly secured.
   c) It is a case sensitive
   d) All the above

Program

1. Write a java program to declare non-static method and perform sum of two numbers?
2. Write a java program to declare static method and perform multiplication of two numbers?
3.