

## **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. Which component is used to execute java programs?
  - a) JDK
  - b) JRE
  - c) JVM
  - d) Compiler
  - e) N o n e
  
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 is valid declaration for constant in java?
- a) value\_of
  - b) ValueOf
  - c) valueOf
  - d) VALUE\_OF
6. How many phases are there in SDLC?
- a) 4 phases
  - b) 9 phases
  - c) 2 phases
  - d) None
7. Java statement is false about java?
- a) Object oriented
  - b) Strongly typed checking
  - c) High level
  - d) Scripting language
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 provide runtime environment for 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. Can we execute java program without main method?

- a) YES
- b) NO
- c) None

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 are access modifiers supported by java?
- a) default,public,private,protected
  - b) default,public,final,protected
  - c) public,private,protected,static
  - d) public,private,protected,abstract
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. Is java support pointers?
- a) YES
  - b) NO
  - c) None
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 escape character we will use for carriage return?

- a) \n
- b) \b
- c) \r
- d) \t

26. Which is mostly used datatype in java?

- a) byte
- b) short
- c) int
- d) float

27. Which escape character we will use for new line?

- a) \b
- b) \n
- c) \t
- d) \r
- e) \\

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 display Hello world?