1. Which one of the following is not a Java feature?

a) Object-oriented **b) Use of pointers**

c) Portable d) Dynamic and Extensible

2. Which component is used to compile, debug and execute the java programs?

a) JRE b) JIT

**c) JDK** d) JVM

3. Which environment variable is used to set the java path?

a) MAVEN\_Path b) JavaPATH

c) JAVA **d) JAVA\_HOME**

4. What will be the error in the following Java code?

*byte b = 50;*

*b = b \* 50;*

a) b cannot contain value 50

b) b cannot contain value 100, limited by its range

c) No error in this code

**d) \* operator has converted b \* 50 into int, which can not be converted to byte without casting**

5. Which of the following is not an OOPS concept in Java?

a) Polymorphism b) Inheritance

**c) Compilation**  d) Encapsulation

6. What is the output of following Program?

*class variable\_scope*

*{*

*public static void main(String args[])*

*{*

*int x;*

*x = 5;*

*{*

*int y = 6;*

*System.out.print(x + " " + y);*

*}*

*System.out.println(x + " " + y);*

*}*

*}*

**a) Compilation error**  b) Runtime error

c) 5 6 5 6 d) 5 6 5

7. Which of these are selection statements in Java?

a) break b) continue

c) for() **d) if()**

8. What is the output of following code?

*class Output*

*{*

*public static void main(String args[])*

*{*

*int arr[] = {1, 2, 3, 4, 5};*

*for ( int i = 0; i < arr.length - 2; ++i)*

*System.out.println(arr[i] + " ");*

*}*

*}*

a) 1 2 3 4 5 **b) 1 2 3 4**

c) 1 2 d) 1 2 3

9. 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

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

**a) Box obj = new Box();** b) Box obj = new Box;

c) obj = new Box(); d) new Box obj;

11. Which of the following statements is correct?

**a) Public method is accessible to all other classes in the hierarchy**

b) Public method is accessible only to subclasses of its parent class

c) Public method can only be called by object of its class

d) Public method can be accessed by calling object of the public class

12. What is true about private constructor?

**a) Private constructor ensures only one instance of a class exist at any point of time**

b) Private constructor ensures multiple instances of a class exist at any point of time

c) Private constructor eases the instantiation of a class

d) Private constructor allows creating objects in other classes

13. Which of these is used as a default for a member of a class if no access specifier is used for it?

**a) private** b) public

c) public, within its own package d) protected

14. Which of the following modifier means a particular variable cannot be accessed within the package?

**a) private** b) public

c) protected d) default

15. Which of these methods must be made static?

**a) main()** b) delete()

c) run() d) finalize()

16. What will be output of following code?

*class access*

*{*

*static int x;*

*void increment()*

*{*

*x++;*

*}*

*}*

*class static\_use*

*{*

*public static void main(String args[])*

*{*

*access obj1 = new access();*

*access obj2 = new access();*

*obj1.x = 0;*

*obj1.increment();*

*obj2.increment();*

*System.out.println(obj1.x + " " + obj2.x);*

*}*

*}*

a) 1 2 b) 1 1

**c) 2 2**  d) Compilation Error

17. What is the process of defining a method in a subclass having same name & type signature as a method in its superclass?

a) Method overloading  **b) Method overriding**

c) Method hiding d) None of the mentioned

18. Which of these keywords can be used to prevent inheritance of a class?

a) super b) constant

c) class **d) final**

19. Which of these keywords are used to define an abstract class?

a) abst b) **abstract**

c) Abstract d) abstract class

20. Which of these packages contains abstract keyword?

**a) java.lang** b) java.util

c) java.io d) java.system

21. Which of the following is true about servlets?

a) Servlets execute within the address space of web server

b) Servlets are platform-independent because they are written in java

c) Servlets can use the full functionality of the Java class libraries

**d) Servlets execute within the address space of web server, platform independent and uses the functionality of java class libraries**

22. Which of these keywords is used to define interfaces in Java?

**a) interface** b) Interface

c) intf d) Intf

23. Which of these keywords is used by a class to use an interface defined previously?

a) import b) Import

**c) implements** d) Implements

24. When does Exceptions in Java arises in code sequence?

**a) Run Time**  b) Compilation Time

c) Can Occur Any Time d) None of the mentioned \

25. Which of these keywords must be used to monitor for exceptions?

**a) try** b) finally

c) throw d) catch

26. What will be the output of the following code?

*class exception\_handling*

*{*

*public static void main(String args[])*

*{*

*try*

*{*

*System.out.print("Hello" + " " + 1 / 0);*

*}*

*catch(ArithmeticException e)*

*{*

*System.out.print("World");*

*}*

*}*

*}*

a) Hello **b) World**

c) HelloWorld d) Hello World

27. Which Scanner class method is used to read string value from the user?

a) next() b) nextString()

c)nextLine() **d) Both 1 and 3**

28. Which method is used to write a byte to the current output stream?

a**) public void write(int)throws IOException**

b) public void write(byte[])throws IOException

c) public void flush()throws IOException

d)public void close()throws IOException

29. Which of these exception is thrown in cases when the file specified for writing is not found?

a) IOException b) FileException

**c) FileNotFoundException** d) FileInputException

30. Which of these methods are used to read in from file?

a) get()  **b) read()**

c) scan() d) readFileInput()