

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

- a) JRE
- b) JIT
- c) JDK
- d) JVM

2.What will be the output of the following Java code?

```
1.  Class increment {  
2.      Public static void main(String args[])  
3.      {  
4.          Int g = 3;  
5.          System.out.print(++g * 8);  
6.      }  
7.  }
```

- a) 32
- b) 33
- c) 24
- d) 25

3.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

4. 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

5. Which of these keywords are used for the block to be examined for exceptions?

- a) check
- b) throw
- c) catch
- d) try

6. How do you force garbage collection to occur at a certain point?

- A. Call `System.forceGc()`
- B. Call `System.gc()`
- C. Call `System.requireGc()`
- D. None of the above

7. What is the value of `tip` after executing the following code snippet?

```
Int meal = 5;
```

```
Int tip = 2;
```

```
Int total = meal + (meal>6 ? ++tip : --tip);
```

- A. 1
- B. 2
- C. 3
- D. 6

8. Which exception is thrown when java is out of memory?

- a) `MemoryError`
- b) `OutOfMemoryError`
- c) `MemoryOutOfBoundsException`
- d) `MemoryFullException`

9. Adapter classes are used for .....

- A) code redundancy
- B) code reduction
- C) code organization
- D) none

10. Methods can be overloaded with a difference only in the type of the return value

- A) Not supported

B) False

C) True

D) None of the above

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

a) Polymorphism

b) Inheritance

c) Compilation

d) Encapsulation

12. What is the use of final keyword in Java?

A

When a class is made final, a subclass of it can not be created.

B

When a method is final, it can not be overridden.

C

When a variable is final, it can be assigned value only once.

D

All of the above

13. What is the size of float and double in java?

A. 32 and 64

B. 32 and 32

C. 64 and 64

D. 64 and 32

14. Find the output of the following code.

```
14 . Int Integer = 24;
```

```
Char String = 'l';
```

```
System.out.print(Integer);
```

```
System.out.print(String);
```

A. Compile error

B.Throws exception

C . I

D . 24 I

15. Which class provides system independent server side implementation?

- a) Server
- b) ServerReader
- c) Socket
- d) ServerSocket

16. What is the numerical range of a char data type in Java?

- a) 0 to 256
- b) -128 to 127
- c) 0 to 65535
- d) 0 to 32767

17. 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

18. Which of the following is the advantage of BigDecimal over double?

- a) Syntax
- b) Memory usage
- c) Garbage creation
- d) Precision

19. Which of the below data type doesn't support overloaded methods for +, -, \* and /?

- a) int

- b) float
- c) double
- d) BigDecimal

20. What is the base of BigDecimal data type?

- a) Base 2
- b) Base 8
- c) Base 10
- d) Base e

21. What is the limitation of toString() method of BigDecimal?

- a) There is no limitation
- b) toString returns null
- c) toString returns the number in expanded form
- d) toString uses scientific notation

22. What is BigDecimal.ONE?

- a) wrong statement
- b) custom defined statement
- c) static variable with value 1 on scale 10
- d) static variable with value 1 on scale

23. Which class is a library of functions to perform arithmetic operations of BigInteger and BigDecimal?

- a) MathContext
- b) MathLib
- c) BigLib
- d) BigContext

24. Which of these can be returned by the operator &?

- a) Integer
- b) Boolean
- c) Character
- d) Integer or Boolean

25. Literals in java must be appended by which of these?

- a) L
- b) I
- c) D
- d) L and I

26. What is the order of variables in Enum?

- a) Ascending order
- b) Descending order
- c) Random order
- d) Depends on the order() method

View Answer

27. . If we try to add Enum constants to a TreeSet, what sorting order will it use?

- a) Sorted in the order of declaration of Enums
- b) Sorted in alphabetical order of Enums
- c) Sorted based on order() method
- d) Sorted in descending order of names of Enums

28. What will be the output of the following Java code snippet?

1.Enum Levels

2.{

3. Private TOP,

4.Public MEDIUM,

5. Protected BOTTOM;

6.}

- a) Runtime Error
- b) EnumNotDefined Exception
- c) It runs successfully
- d) Compilation Error

29. Which class does all the Enums extend?

- a) Object
- b) Enums
- c) Enum
- d) EnumClass

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

- a) malloc
- b) alloc
- c) new
- d) new malloc

31. Which of these is an incorrect array declaration?

- a) `int arr[] = new int[5]`
- b) `int [] arr = new int[5]`
- c) `int arr[] = new int[5]`
- d) `int arr[] = int [5] new`

32. What will be the output of the following Java code

```
Int arr[] = new int [5];  
System.out.print(arr);
```

- a) 0
- b) value stored in arr[0]
- c) 00000
- d) Class name@ hashCode in hexadecimal form

33. Which of these is an incorrect Statement?

- a) It is necessary to use new operator to initialize an array
- b) Array can be initialized using comma separated expressions surrounded by curly braces
- c) Array can be initialized when they are declared
- d) None of the mentioned

34. Which of these is necessary to specify at time of array initialization?

- a) Row
- b) Column

- c) Both Row and Column
- d) None of the mentioned

35. Which of these will happen if recursive method does not have a base case?

- a) An infinite loop occurs
- b) System stops the program after some time
- c) After 1000000 calls it will be automatically stopped
- d) None of the mentioned

36. Which of these packages contains the exception Stack Overflow in Java?

- a) java.lang
- b) java.util
- c) java.io
- d) java.system

37. Which of these functions is called to display the output of an applet?

- a) display()
- b) paint()
- c) displayApplet()
- d) PrintApplet()

38. Which of these methods is a part of Abstract Window Toolkit (AWT) ?

- a) display()
- b) paint()
- c) drawString()
- d) transient()

39. What are the components of a marker interface?

- a) Fields and methods
- b) No fields, only methods
- c) Fields, no methods
- d) No fields, No methods

40. What is not the advantage of Reflection?

- a) Examine a class's field and method at runtime



- b) Construct an object for a class at runtime
- c) Examine a class's field at compile time
- d) Examine an object's class at runtime

41. How private method can be called using reflection?

- a) getDeclaredFields
- b) getDeclaredMethods
- c) getMethods
- d) getFields

42. What is used to get class name in reflection?

- a) getClass().getName()
- b) getClass().getFields()
- c) getClass().getDeclaredFields()
- d) new getClass()

43. What does Class.forName("myreflection.Foo").newInstance() return?

- a) An array of Foo objects
- b) class object of Foo
- c) Calls the newInstance() method of Foo class
- d) Foo object

44. What does foo.getClass().getMethod("doSomething", null) return?

- a) doSomething method instance
- b) Method is returned and we can call the method as method.invoke(foo,null);
- c) Class object
- d) Exception is thrown

45. Which of these exceptions handles the situations when an illegal argument is used to invoke a method?

- a) IllegalArgumentException
- b) Argument Exception
- c) IllegalArgumentExcepetion
- d) IllegalMethodArgumentExcepetion

46. Which of these class is used to create user defined exception?

- a) java.lang
- b) Exception
- c) RunTime
- d) System

47. What is the string contained in s after following lines of Java code?

```
StringBuffer s new StringBuffer("Hello");
```

```
s.deleteCharAt(0);
```

- a) Hell
- b) ello
- c) Hel
- d) llo

48. Which of these is a bundle of information passed between machines?

- a) Mime
- b) Cache
- c) Datagrams
- d) DatagramSocket

49. Which of these method of DatagramPacket is used to find the port number?

- a) port()
- b) getPort()
- c) findPort()
- d) recievePort()

50. Which of these methods of DatagramPacket is used to find the length of byte array?

- a) getnumber()
- b) length()
- c) Length()
- d) getLength()