1) 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();

  }

}

a) Instance block, method, static block, and constructor

b) Method, constructor, instance block, and static block

c) Static block, method, instance block, and constructor

**d) Static block, instance block, constructor, and method**

2) 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;

}

}

a) 10, 5, 0, 20, 0

b) 10, 30, 20

c) 60, 5, 0, 20

**d) 60, 30, 0, 20, 0**

3) The \u0021 article referred to as a

**a) Unicode escape sequence**

b) Octal escape

c) Hexadecimal

d) Line feed

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

a) JVM

b) JRE

c) JDK

**d) JDB**

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

**a) char ch = '\utea';**

b) char ca = 'tea';

c) char cr = \u0223;

d) char cc = '\itea';

6)What does the expression float a = 35 / 0 return?

a) 0

b) Not a Number

**c) Infinity**

d) Run time exception

7) Evaluate the following Java expression, if x=3, y=5, and z=10:

++z + y - y + z + x++

a) 24

b) 23

c) 20

**d) 25**

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

a) javap tool

b) javaw command

**c) Javadoc tool**

d) javah command

9) What is Literal in Java?

**a) Literal is the value that is given or assigned to a variable.**

b) Literal is a data type

c) Literal is similar to String

d) None of the above

10) What are the types of Literals available in Java language?

a) Integer and Float

b) Character and String

c) Boolean

**d) All the above**

11) What are the types of Integer Literals in Java?

a) Decimal Literals

b) Octal and Hexadecimal Literals

c) Binary Literals

**d) All the above**

12) Choose correct examples of decimal literals in Java.

a) int a = 12345;

b) int a = 12\_3\_\_5;

c) long a = 987\_\_\_\_654\_3\_\_21L;

**d) All the above**

13) An Octal number is Java is represented with a leading \_\_\_\_?

a) O (Alphabet)

**b) 0 (ZERO)**

c) 0x

d) 0X

14) Choose correct ranges for Decimal, Octal and Hexadecimal numbers in Java?

a) Decimal: 0 to 9

b) Octal: 0 to 7

c) Hexadecimal: 0 to 9 and A to F / a to f

**d) All the above**

15) Choose the correct example of Octal Literal in Java?

a) short = 0564;

b) int = 076\_\_45\_2;

c) int = 0\_\_\_\_\_\_11;

**d) All the above**

16) Binary literals in Java are introduced with which version of Java?

a) JDK 5

b) JDK 6

**c) JDK 6**

d) JDK 8

17) Underscore symbols in literal numbers are introduced with which version of Java?

a) JDK 5

b) JDK 6

**c) JDK 7**

d) JDK 8

18) What is the prefix used to represent Binary literals in Java?

a) b or B

**b) 0b or 0B**

c) xB or xb

d) ob or oB

19) What is the compiler error for improperly using Underscores ( \_ ) in literals in Java?

a) Underscores are out of range

b) IllegalUnderscoresException

**c) Underscores have to be located within digits**

d) Too many Underscores

20) What is the maximum number of Underscore characters that can be used in between the digits of a numeric literal in Java?

a) 8

b) 16

c) 32

**d) No Limit**

21) What is the name given to character literals in Java that start with a Back Slash character?

a) Back Slash Sequence

**b) Slash Sequence**

c) Escape Sequence

d) Extended Sequence

22) What is the literal in Java that can be used to test whether an Object of any type is alive or not?

a) alive

b) liveof

**c) null**

d) 0

23) What is the suffix used to represent a floating point number in Java?

a) r or R

**b) f or F**

c) fl or FL

d) None of the above

24) What is the precision after decimal points offered by a float data type in Java?

a) 3 digits

**b) 6 digits**

c) 10 digits

d) 15 digits

25) A real number literal for floating point literal with a missing f or F suffix represents which data type?

**a) double**

b) float

c) long

d) int

26) A character literal in Java is enclosed within a pair of \_\_\_?

a) Square brackets

b) Double Quotes

**c) Single Quotes**

d) Exclamations

27) What is the output of this Java snippet?

int a = 0b111;

System.out.println(a);

a) 111

**b) 7**

c) 8

d) Compiler error

**Explanation:**

0b is prefix means it is a binary number

1x2^2 + 1x2^1 + 1x2^0

1x4 + 1x2 + 1

4 + 2 + 1

28)Choose the wrong Java code statement below.

a) char a ='a';

**b) char a ="ab";**

c) char a =97;

d) char a ='\u0123';

29) Which of these is long data type literal?

**a) 0x99fffL**

b) ABCDEFG

c) 0x99fffa

d) 99671246

30) Observe the following code snippet and choose the correct option.

byte b = 10; // line 1

b = b \* 10; // line 2

a) Lines 1 and 2 both execute without any error.

**b) Because of line 2, the code will not compile.**

c) Because of line 1, the code will not compile.

d) None of the above