Q1. Which one of the following is not a Java feature?

A. Object-oriented

B. Use of pointers

C. Portable

D. Dynamic and Extensible

Answer:- B. Use of pointers

Q2. Which of these cannot be used for a variable name in Java?

A. identifier & keyword

B. identifier

C. keyword

D. none of the mentioned

Answer:- A. identifier & keyword

Q3.Which of the following is a superclass of every class in Java?

A. ArrayList

B. Abstract class

C. Object class

D. String

Answer:- C. Object class

Q4.Which one is a valid declaration of a boolean?

A. boolean b1 = 1;

B. boolean b2 = ‘false’;

C. boolean b3 = false;

D. boolean b4 = ‘true’

Answer:- C. boolean b3 = false;

Q5. Which is the modifier when there is none mentioned explicitly?

A. protected

B. private

C. public

D. default

Answer:- D. default

Q6.All the variables of interface should be?

A. default and final

B. default and static

C. public, static and final

D. protect, static and final

Answer:- C. public, static and final

Q7.Which of these data types is used to store command line arguments?

A. Array

B. Stack

C. String

D. Integer

Answer:- A. Array

Q8.How many arguments can be passed to main()?

A. Infinite

B. Only 1

C. System Dependent

D. None of the mentioned

Answer:- D. None of the mentioned

Q9.What will be the output of the following Java program, Command line execution is done as – "java Output This is a command Line"?

```
class Output
{
public static void main(String args[])
{
System.out.print(args[0]);
}
}
```

A. java

B. Output

C. This

D. is

Answer:- C. This

Q10.What is the value of "d" in the following Java code snippet?

```
double d = Math.round ( 2.5 + Math.random() );
```

A. 2

B. 3

C. 4

D. 2.5

Answer:- B. 3

Q11.Which of these methods is a rounding function of Math class?

A. max()

B. min()

C. abs()

D. all of the mentioned

Answer:-D. all of the mentioned

Q12. Standard output variable 'out' is defined in which class?

A. Void

B. Process

C. Runtime

D. System

Answer:-D. System

Q13.What will be the output of the following Java program?

```
class main_class
{
public static void main(String args[])
{
int x = 9;
if (x == 9)
{
int x = 8;
System.out.println(x);
}
}
}
```

A. 9

B. 8

C. Compilation error

D. Runtime error

Answer:-B. 8

Q14.Which of these is the method which is executed first before execution of any other thing takes place in a program?

A. main method

B. static method

C. private method

D. finalize method

Answer:-A. main method

Q15.Which of these can be used to differentiate two or more methods having the same name?

A. Parameters data type

B. Number of parameters

C. Return type of method

D. All of the mentioned

Answer:-D. All of the mentioned

Q16. What will be the output of the following Java program?

```
class Output
{
static void main(String args[])
{
int x , y = 1;
```

```
x = 10;
if(x != 10 && x / 0 == 0)
System.out.println(y);
else
System.out.println(++y);
}
}
```

A. 1

B. 2

C. Runtime Error

D. Compilation Errorentioned

Answer:-C. Runtime Error

Q17.What will be the output of the following Java program?

```
class area
{
int width;
int length;
int height;
area()
{
width = 5;
length = 6;
height = 1;
}
void volume()
{
```

```
volume = width * height * length;
}
}
class cons_method
{
public static void main(String args[])
{
area obj = new area();
obj.volume();
System.out.println(obj.volume);
}
}
```

A. 0

B. 1

C. 25

D. 30

Answer:-C. 25

Q18. Write Syntax to create/define java methods.

Answer:-

```
public void greet() {
   System.out.println("Hello!");
}
```

Q19. Write a java program following instructions

A. Make a class Addition

a. initialize sum as 0

b. make addTwoInt method taking two int parameters a,b. make sum = a+b.

Return Sum

B. define class as Method Call. Define main method

a. Create object of class Addition

b. call method using instance of object

c. Print sum

Answer:-

```
class Addition {
   int sum = 0;


   int addTwoInt(int a, int b) {
      sum = a + b;
      return sum;
   }
}


public class MethodCall {
   public static void main(String[] args) {
      Addition additionObj = new Addition();  // Create an object of the Addition class
      int result = additionObj.addTwoInt(5, 7);  // Call the method using the object
      System.out.println("Sum: " + result);  // Print the sum
   }
}
```

Q20. Write a java program following instructions

A. Define a class Example

a. Define two instance variables number and name

b. Define accessor (getter) methods

c. Define mutator (setter) methods

d. define method printDetails —-> print name and number

B. Define public class Demo (Main Class)

a. Define main method

b. Make Instance/object of example class

c. set number and name using instance created as 123 and Your name.

d. call printDetails method using instance

Answer:-

```
class Example {
   private int number;
   private String name;

   // Getter methods
   public int getNumber() {
      return number;
   }

   public String getName() {
      return name;
   }

   // Setter methods
   public void setNumber(int number) {
      this.number = number;
   }
```

```
    public void setName(String name) {
        this.name = name;
    }

    // Method to print details
    public void printDetails() {
        System.out.println("Name: " + name);
        System.out.println("Number: " + number);
    }
}

public class Demo {
    public static void main(String[] args) {
        Example exampleObj = new Example();  // Create an object of Example class
        exampleObj.setNumber(123);  // Set number using setter method
        exampleObj.setName("Your name");  // Set name using setter method

        exampleObj.printDetails();  // Call printDetails method to print the details
    }
}
```