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

A. Object-oriented

B. Use of pointers

C. Portable

D. Dynamic and Extensible

Correct 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

Correct Answer: C. keyword

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

A. ArrayList

B. Abstract class

C. Object class

D. String

Correct 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'

Correct Answer: C. boolean b3 = false;

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

A. protected

B. private

C. public

D. default

Correct Answer: D. default

Q6. All the variables of an interface should be?

A. default and final

B. default and static

C. public, static, and final

D. protect, static, and final

Correct 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

Correct 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

Correct Answer: B. Only 1

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]);
}
```

}

Correct Answer: C. This

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

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

****Correct Answer: B. 3**

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

A. max()

B. min()

C. abs()

D. all of the mentioned

Correct Answer: D. all of the mentioned

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

A. Void

B. Process

C. Runtime

D. System

Correct Answer: D. System

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

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

Correct Answer: B. 8

Q14. Which of these is the method that 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

Correct 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

Correct 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);
}
}
```

Correct Answer: C. Runtime Error

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

```java
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);
}
}
```

Correct Answer: A. 0

Q18. Write Syntax to create/define java methods.

```
<access_modifier> <return_type> <method_name>(<parameter_list>) {
   // Method body
}
```

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 an object of class Addition

b. Call the method using an instance of the object

c. Print sum

```
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 addition = new Addition();
```

```
        int result = addition.addTwoInt(5, 7);
        System.out.println("Sum: " + result);
    }
}
```

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 a method printDetails → print name and number

B. Define a public class Demo (Main Class)

a. Define the main method

b. Make an instance/object of the Example class

c. Set number and name using the instance created as 123 and Your name.

d. Call the printDetails method using the instance

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

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

   public String getName() {
      return name;
   }

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

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

   public void printDetails() {
```

```
        System.out.println("Name: " + name);
        System.out.println("Number: " + number);
    }
}

public class Demo {
    public static void main(String[] args) {
        Example example = new Example();
        example.setNumber(123);
        example.setName("Your name");

        example.printDetails();
    }
}
```