1. Who invented Java Programming?  
a) Guido van Rossum  
b) James Gosling  
c) Dennis Ritchie  
d) Bjarne Stroustrup

2. Which statement is true about Java?  
a) Java is a sequence-dependent programming language  
b) Java is a code dependent programming language  
c) Java is a platform-dependent programming language  
d) Java is a platform-independent programming language

3. Which component is used to compile, debug and execute the java programs?  
a) JRE  
b) JIT  
c) JDK  
d) JVM

4. Which one of the following is not a Java feature?  
a) Object-oriented  
b) Use of pointers  
c) Portable  
d) Dynamic and Extensible

5. Which of these cannot be used for a variable name in Java?  
a) identifier & keyword  
b) identifier  
c) keyword  
d) none of the mentioned

6. What is the extension of java code files?  
a) .js  
b) .txt  
c) .class  
d) .java

7. 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

8. Which environment variable is used to set the java path?  
a) MAVEN\_Path  
b) JavaPATH  
c) JAVA  
d) JAVA\_HOME

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

1. **class** output {
2. **public** **static** **void** main(String args[])
3. {
4. **double** a, b,c;
5. a = 3.0/0;
6. b = 0/4.0;
7. c=0/0.0;
9. System.out.println(a);
10. System.out.println(b);
11. System.out.println(c);
12. }
13. }

a) NaN  
b) Infinity  
c) 0.0  
d) all of the mentioned

10. Which of the following is not an OOPS concept in Java?  
a) Polymorphism  
b) Inheritance  
c) Compilation  
d) Encapsulation

11. What is not the use of “this” keyword in Java?  
a) Referring to the instance variable when a local variable has the same name  
b) Passing itself to the method of the same class  
c) Passing itself to another method  
d) Calling another constructor in constructor chaining

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

1. **class** variable\_scope
2. {
3. **public** **static** **void** main(String args[])
4. {
5. **int** x;
6. x = 5;
7. {
8. **int** y = 6;
9. System.out.print(x + " " + y);
10. }
11. System.out.println(x + " " + y);
12. }
13. }

a) Compilation error  
b) Runtime error  
c) 5 6 5 6  
d) 5 6 5

13. 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

14. 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

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

1. **class** leftshift\_operator
2. {
3. **public** **static** **void** main(String args[])
4. {
5. **byte** x = 64;
6. **int** i;
7. **byte** y;
8. i = x << 2;
9. y = (**byte**) (x << 2)
10. System.out.print(i + " " + y);
11. }
12. }

a) 0 256  
b) 0 64  
c) 256 0  
d) 64 0

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

1. **class** box
2. {
3. **int** width;
4. **int** height;
5. **int** length;
6. }
7. **class** main
8. {
9. **public** **static** **void** main(String args[])
10. {
11. box obj = **new** box();
12. obj.width = 10;
13. obj.height = 2;
14. obj.length = 10;
15. **int** y = obj.width \* obj.height \* obj.length;
16. System.out.print(y);
17. }
18. }

a) 100  
b) 400  
c) 200  
d) 12

17. 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  
View Answer

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

1. **class** Output
2. {
3. **public** **static** **void** main(String args[])
4. {
5. **int** arr[] = {1, 2, 3, 4, 5};
6. **for** ( **int** i = 0; i < arr.length - 2; ++i)
7. System.out.println(arr[i] + " ");
8. }
9. }
10. 1 2 3 4 5  
    b) 1 2 3 4  
    c) 1 2  
    d) 1 2 3

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

1. **class** abc
2. {
3. **public** **static** **void** main(String args[])
4. {
5. **if**(args.length>0)
6. System.out.println(args.length);
7. }
8. }

a) The snippet compiles and runs but does not print anything  
b) The snippet compiles, runs and prints 0  
c) The snippet compiles, runs and prints 1  
d) The snippet does not compile

20. What is the extension of compiled java classes?  
a) .txt  
b) .js  
c) .class  
d) .java