

Section –A

Note: Multiple Choice questions. All questions are compulsory.**10x1=10**

- Q.1 Arrays in java are:
a) Primitive data type b) Objects c) References d) none
- Q.2 Which component is used to compile, debug and execute the java programs?
a) JRE b) JIT c) JDK d)JVM
- Q.3 Which one of the following is not a Java feature?
a) Object-oriented b) Use of pointers
c) Portable d) Dynamic and Extensible
- Q.4 Which of these cannot be used for a variable name in Java?
a) identifier & keyword b) identifier
c) keyword d) none of the mentioned
- Q.5 What is the extension of java code files?
a) .js b) .txt
c) .class d) .java
- Q.6 Which of the following is not an OOPS concept in Java?
a) Polymorphism b) Inheritance
c) Compilation d) Encapsulation
- Q.7 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
- Q.8 Which exception is thrown when java is out of memory?
a) MemoryError b) OutOfMemoryError
c) MemoryOutOfBoundsExpection d) MemoryFullExpection
- Q.9 Which of these are selection statements in Java?
a) break b) continue
c) for() d) if()
- Q10 Which of these keywords is used to define interfaces in Java?
a) intf b) Intf
c) interface d) Interface

Section-B

Note: Objective type questions. All questions are compulsory.**10x1=10**

- Q.11 Java is an _____ language.
- Q.12 Full form of IDE is _____
- Q.13 OOPS language uses the concept of Abstraction. (T/F)
- Q.14 Define class.
- Q.15 Object is an instance of class. (T/F)
- Q.16 Java was developed by _____
- Q.17 Name two logical operators.
- Q.18 Define abstract class.
- Q.19 Define Constructor.
- Q.20 Define exception.

Section –C

Note: Short answer type Questions. Attempt any twelve questions out of fifteen questions.**12x5=60**

- Q.21 What is the difference between a class and object?
- Q.22 What are the features of OOPS?
- Q.23 Explain various data types supported by Java.
- Q.24 What is the structure of Java program?

- Q.25 Explain switch case statement with example.
- Q.26 Define array. How can we declare arrays in java?
- Q.27 Explain the different types of constructors in java with example.
- Q.28 What is the difference between multilevel and hierarchical inheritance?
- Q.29 Explain method overloading and constructor overloading.
- Q.30 What is the difference between method overloading and method overriding?
- Q.31 How multiple inheritance can be implemented using interface.
- Q.32 Define the keywords: try, throw, catch and finally.
- Q.33 Differentiate between public, private and protected variables in java.
- Q.34 How the concept of polymorphism is implemented in java.
- Q.35 Why java is called an object oriented programming language?

Section-D

Note: Long answer questions. Attempt any two questions out of three questions.

2x10=20

- Q.36 Define inheritance. Explain its types with example.
- Q.37 What are exceptions and how they are handled in Java. Explain with an example.
- Q.38 Explain various operators used in java with examples.