

Instructions: Illustrate your answers with neat diagrams wherever necessary.

Que 1 Write the following

- (i) Explain operators, scanner class, Conditional statements, Loops, Break, Continue (5 Marks) and Array in java.
- (ii) Explain Classes and Objects with Syntax and example (5 Marks)

OR

- (i) What is Methods? Explain how to declare Methods with an example. (5 Marks)
- (ii) What is constructor? Explain all types of Constructors. (5 Marks)

Que 2 Write the following

- (i) Explain Method Overriding and Method Overloading in detail. (5 Marks)
- (ii) How to handle exception using try..catch...? (5 Marks)

OR

- (i) What is custom Exception or user define exception explain with an example (5 Marks)
- (ii) What is synchronization? Explain types of synchronization with an example. (5 Marks)

Que 3 Attempt any five out of six (05 Marks)

- (i) Java programs are converted into _____ before they are executed.
- (ii) _____ is used to compile Java source code into bytecode.
- (iii) In Java, _____ is the process of combining data and methods that operate on the data into a single unit.
- (iv) The _____ keyword is used to call the superclass constructor.
- (v) Java supports automatic _____ management.
- (vi) The _____ operator is used for performing arithmetic operations in Java.