

No. of Printed Pages : 4
Roll No.

180841/170841

4th Sem. / Computer Engg.
Sub : Object Oriented Programming using JAVA

Time : 3 Hrs. **MM : 100**

SECTION-A

Note: Multiple type Questions. All Questions are compulsory. (10x1=10)

- Q.1 Who Developed Java
a) Microsoft b) Apple
c) Sun Micro system d) IBM
- Q.2 What is the extension of a Java Source File
a) .exe b) .Java
c) .CPP d) .txt
- Q.3 Which of the following is not a valid variable name
a) 987ab b) myfirst
c) bat d) sum
- Q.4 Which statement is used to exit from a loop prematurely in Java
a) Continue b) Return
c) Exit d) Break
- Q.5 Which keyword is used to create an object of the class
a) Create b) Object
c) Class d) New

- Q.6 Every statement in JAVA language should end with a?
a) Dot b) Comma
c) Semicolon d) Colon
- Q.7 Decrement operator , ---, decrease value of variable by what number
a) 1 b) 3
c) 0 d) 2
- Q.8 In Java code, the line that begins with/* and ends with */ is known as?
a) Multiline comment b) Single line comment
c) Both A & B d) None of these
- Q.9 Which of the following is not OOPS concept in Java.
a) Encapsulation b) Message Passing
c) Polymorphism d) Compilation
- Q.10 What is an exception.
a) Data type b) Unusual event
c) Loop d) Syntax error

Section-B

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

- Q.11 What does OOP stands for.
- Q.12 Define Encapsulation.
- Q.13 Define Base class.

- Q.14 Define Object.
- Q.15 What is Garbage Collection.
- Q.16 Define finally block.
- Q.17 What is a stream.
- Q.18 Define Java.
- Q.19 What is the use of break statement.
- Q.20 Expand IDE.

Section-C

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

- Q.21 Explain how input is given in Java using scanner class.
- Q.22 Explain polymorphism. How it is implemented.
- Q.23 Difference between While & Do While loop.
- Q.24 Explain output statement used in Java.
- Q.25 Explain the concept of constructor with example.
- Q.26 Explain For Loop with example.
- Q.27 Define array. How it is created in Java.
- Q.28 Explain in brief access specifiers used in Java
- Q.29 Explain the use of multiple catch blocks using a program.
- Q.30 How an object it is created in Java. Explain with example.

- Q.31 Explain various data types available in Java.
- Q.32 Difference between abstract class & interface.
- Q.33 Explain the use of Scanner class.
- Q.34 Explain Various features of Java.
- Q.35 Difference between Object & Class.

Section-D

Note: Long answer questions. Attempt any two question out of three Questions. (2x10=20)

- Q.36 Explain in detail Java program structure.
- Q.37 Explain various operators used in Java.
- Q.38 Define inheritance. Explain in types. Write a program to implement multilevel Inheritance.