

No. of Printed Pages : 4

180841/170841

Roll No. ....

**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 stand 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.

(3)

180841/170841

- 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.

(1620)

(4)

180841/170841