SUBJECT: CORE JAVA

Day: Monday		Time: 12.00 NOON TO 02.00 PM
Date: 15/04/2019	S-2019-1152	Max. Marks: 40

N.B.:
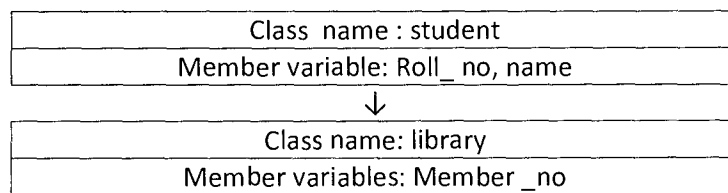1) All questions are **COMPULSORY**.
2) Figures to the right indicate **FULL** marks.
3) Draw neat diagrams **WHEREVER** necessary.

Q.1 Answer any **TWO** of the following: **(10)**

a) Describe various features of Java programming.

b) Write a program to create a class Account having data members as Acc_no, name and balance. Accept and display data using object.

c) Explain constructor with suitable example.

Q.2 Answer any **TWO** of the following: **(10)**

a) Write a program to implement following inheritance.

Class name : student
Member variable: Roll_ no, name

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Class name: library
Member variables: Member _no

b) Describe the different access modifiers in Java.

c) Illustrate five methods of class String with proper example.

Q.3 Answer any **TWO** of the following: **(10)**

a) Explain how user defined packages are created and accessed in Java.

b) What is interface? How it is implemented? Explain with proper example.

c) Describe different Data types in Java.

Q.4 Answer any **FIVE** of the following: **(10)**

a) What is Exception?

b) List out different JDK tools.

c) Write a program to find Fibonacci series of a given no.

d) Differentiate between Java and C++.

e) Define array.

f) Write a structure of Java Program.

g) What is a method overriding?

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