BACHELOR OF SCIENCE (COMPUTER SCIENCE) (CBCS - 2016 COURSE)
T.Y.B.Sc.(Computer Science) Sem-V :SUMMER- 2022
SUBJECT : CORE JAVA

Day : Friday   Time : 11:00 AM-02:00 PM
Date : 8/7/2022   **S-14906-2022**   Max. Marks : 60

N.B.:
   1)   All questions are **COMPULSORY.**
   2)   Figures to the right indicate **FULL** marks.

Q.1   Attempt **ANY TWO** of the following: **(12)**

   a)   Describe various features of object oriented programming.
   b)   Write a java program to display employee details using class and object.
   c)   Explain Exception classes used in Java.

Q.2   Attempt **ANY TWO** of the following: **(12)**

   a)   Write a Java program to implement user defined package for arithmetic operations.
   b)   What is an array? Explain types of array with proper example.
   c)   Describe Multilevel inheritance with suitable example.

Q.3   Write short notes on **ANY TWO** of the following: **(12)**

   a)   Explain method overloading with suitable example.
   b)   Describe features of Java.
   c)   Write a Java program to implement constructor for area of rectangle.

Q.4   Answer **ANY THREE** of the following: **(12)**

   a)   Differentiate between C++ and Java.
   b)   Explain access modifiers with example.
   c)   Explain String class methods.
   d)   Write note on interface.

Q.5   Answer **ANY FOUR** of the following: **(12)**

   a)   Write a java program to print Fibonacci series 'n' numbers.
   b)   Explain method overriding with example.
   c)   Write a note on polymorphism.
   d)   Explain single inheritance with example.
   e)   Write a java program to print grade of student depending on percentage.
   f)   Write Data types in Java.

*   *   *   *   *