## II B.Tech - II Semester – Regular Examinations - JUNE 2014

## OBJECT ORIENTED PROGRAMMING THROUGH JAVA
### (COMPUTER SCIENCE & ENGINEERING)

Duration: 3 hours                                Marks: 5x14=70

Answer any FIVE questions.   All questions carry equal marks

1. a) Give the advantages of OOP?                                4 M

   b) Write a JAVA program that calculates area of a circle, after taking radius from user as input?                                5 M

   c) Differentiate between while and do-while with a program?                                5 M

2. a) Write a JAVA program to split a String in to a list of words using String Tokenizer?                                7 M

   b) Explain how Garbage Collection is done in JAVA?     7 M

3. a) Explain the use of 'super' keyword with a program?     7 M

   b) Write short notes on Final class and Final methods?     7 M

4. a) Explain how Interface is implemented in JAVA?  7 M

   b) Write short notes on Environmental variable
      CLASSPATH?  7 M

5. a) Explain the life cycle of the thread?  7 M

   b) Explain how try, catch and throw keywords are used in
      Exception handling in JAVA with the help of a program?
      7 M

6. a) Write a short notes on Serializable Interface?  7 M

   b) Explain InputStream and OutputStream and their
      Hierarchy?  7 M

7. a) Write a short notes on MVC Architecture?  7 M

   b) Explain the syntax and functionality related to Frames in
      JAVA?  7 M

8) Explain the following methods of Object Class.
          a) clone( )  4 M
          b) finalize( )  3 M
          c) hashCode( )  3 M
          d) getClass( )  4 M