Code: EC6T6FE-D, EE6T6FE-C

III B.Tech - II Semester – Regular Examinations – May 2017

OBJECT ORIENTED PROGRAMMING THROUGH JAVA
(Common for ECE & EEE)

Duration: 3 hours   Max. Marks: 70

PART – A

Answer *all* the questions.   All questions carry equal marks

11 x 2 = 22 M

1.

   a) Give examples of one dimension, two dimension and three dimension arrays.

   b) What are objects? How are they created from a class?

   c) Why is java known as platform-neutral language?

   d) Why do we need the import statement?

   e) What is typecasting? Why is it important in JAVA programming?

   f) How to create package?

   g) What is the life cycle of thread?

   h) What is access controls?

   i) Explain your own exception handling example.

   j) Write limitations of AWT.

   k) Explain wrapper classes.

PART – B

Answer any *THREE* questions. All questions carry equal marks.

$$3 \times 16 = 48 \text{ M}$$

2. a) Write prime number program in JAVA and explain with comments.   8 M

   b) Write a JAVA program to split string into a list of words using String Tokenizer.   8 M

3. a) Explain method overriding and method overloading with the help of examples.   8 M

   b) Explain the Dynamic Binding, super keyword, abstract class and method.   8 M

4. a) Explain Java's access control mechanism and its access specifiers with example.   8 M

   b) Explain package and I/O classes by giving examples.   8 M

5. a) Differentiate between checked and unchecked exceptions. Explain the Arithmetic Exception, null pointer exception and Number format exception with examples.   8 M

   b) Explain wait, sleep and synchronize.   8 M

6. a) What are containers? List various containers. Explain the usage of JCheckBox class. 8 M

b) What is an Event? Explain Event handling in detail. 8 M