

Code: EC6T6FE-D, EE6T6FE-C

III B.Tech-II Semester–Supplementary Examinations–March 2018

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) List out various OOP's principles.
- b) What is the importance of 'this' keyword in Java?
- c) How Java supports polymorphism?
- d) Explain the usages of 'final' keyword in Java.
- e) Define package.
- f) Write any four stream classes in Java.
- g) Differentiate throw and throws keywords usage in Java.
- h) Distinguish process and thread.
- i) What is AWT? List various components of AWT?
- j) Explain event delegation model.
- k) Briefly describe the accessing of command line arguments in Java.

PART – B

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

3 x 16 = 48 M

2. a) With an example program, clearly explain control statements. 8 M
- b) Explain the importance of constructors in Java? Write a detailed note on various types of constructors. 8 M
3. a) What is inheritance? Write a Java program to develop any two types of inheritances. 8 M
- b) Differentiate the class and interface? Write the process of extending the interface. 8 M
4. a) Discuss in detail about Input Output classes with example. 8 M
- b) Write a Java program to create and access a Package in Java. 8 M
5. a) How Java supports exception handling mechanism? Write a detailed note on all the keywords used in exception handling mechanism. 8 M
- b) Draw and explain various states of thread life cycle. 8 M

6. a) Explain the usage of border and grid layout managers?

8 M

b) Write a Java program for handling Keyboard events? 8 M