

Code: EC6T6FE-D, EE6T6FE-C, ME6T6FE-G

**III B.Tech-II Semester–Regular/Supplementary Examinations
March 2020**

**OOPS THROUGH JAVA
(COMMON FOR ECE, ME, 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 Any Four OOP's Principles.
- b) Define Constructor.
- c) Why String is immutable in Java?
- d) Does Java supports Multiple Inheritance?
- e) Define Dynamic Binding.
- f) Define Package.
- g) What is Auto-Boxing?
- h) Write the Difference between checked and unchecked Exceptions.
- i) Give the AWT hierarchy.
- j) How do applets differ from application program?
- k) Write the advantage of event delegation model.

PART – B

Answer any **THREE** questions. All questions carry equal marks.
3 x 16 = 48 M

2. a) What is meant by byte code? Briefly explain how Java is platform independent. 8 M
b) Write a Java Program to Perform Matrix addition by checking compatibility. 8 M
3. a) What is inheritance in Java ? Explain different types of inheritance with example. 8 M
b) Explain in detail about differences between classes and Interfaces. 8 M
4. a) Discuss about CLASSPATH environment variables. 8 M
b) Discuss the different levels of access protection available in Java. 8 M
5. a) Write a program to create four threads using Runnable interface. 8 M
b) Write a java program that demonstrates how certain exception types are not allowed to be thrown. 8 M
6. a) What is a Layout manager? Explain different types of Layout managers. 8 M
b) Write a Java program to handle Keyboard events. 8 M