

Code: IT4T1

II B.Tech - II Semester – Regular Examinations - JUNE 2015

**JAVA
(INFORMATION TECHNOLOGY)**

Duration: 3 hours

Marks: 5x14=70

Answer any FIVE questions. All questions carry equal marks

1 a) Explain the role of JVM in Java. 6 M

b) Write a program to multiply two matrices. 8 M

2 a) Define constructor. Explain different types of constructors. 7 M

b) Explain different parameter passing mechanisms with example programs. 7 M

3 a) Differentiate method overloading with method overriding. 7 M

b) Write a program to demonstrate multilevel inheritance. 7 M

4 a) Explain the behavior of different access specifiers in packages. 7 M

b) Explain how multiple inheritance is supported in Java. 7 M

- 5 a) What is an exception? Explain exception handling mechanism with an example. 7 M
- b) Write a program to demonstrate synchronization of multiple threads. 7 M
- 6 a) Explain different mouse and keyboard events. 7 M
- b) Write a program to create login form using AWT components. 7 M
- 7 a) Create an applet to display digital clock. 7 M
- b) What are the limitations of AWT components? 7 M
- 8 Explain about datagram sockets and TCP server sockets with suitable example programs. 14 M