

Code: IT4T3

II B.Tech - II Semester – Regular Examinations – May 2016

JAVA (INFORMATION TECHNOLOGY)

Duration: 3 hours

Max. Marks: 70

PART – A

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

11x 2 = 22 M

1)

- a) Explain the scope and life time of variables.
- b) Differentiate parameterized and default constructors.
- c) What are the basic data types in Java?
- d) Explain recursion with an example.
- e) Explain the use of public, protected and private access specifiers.
- f) Differentiate abstract class and an Interface.
- g) List some of the checked exception classes in Java.
- h) How many ways applets can be created in Java?
- i) Explain the importance of adapter classes.
- j) Differentiate socket and server socket.
- k) List the various constructors available for Check Box.

PART – B

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

3 x 16 = 48 M

2)

a) Demonstrate matrix multiplication using 2-D arrays. 10 M

b) Explain various Java Features. 6 M

3)

a) Explain the various types of inheritance. 6 M

b) Demonstrate run time polymorphism using a sample program. 10 M

4)

a) Explain the creation and importing of packages. 12 M

b) What is the use of CLASSPATH in Java? 4 M

5)

a) Explain thread life cycle with a neat sketch. 8 M

b) Demonstrate creating two threads using Runnable Interface. 8 M

6)

a) Draw a neat sketch of AWT Hierarchy and explain. 8 M

b) Explain the border and grid layout manager types. 8 M