



B.Tech IV Year II Semester (R15) Advanced Supplementary Examinations July 2019

JAVA PROGRAMMING

(Electronics & Instrumentation Engineering)

Time: 3 hours

Max. Marks: 70

PART – A

(Compulsory Question)

1 Answer the following: (10 X 02 = 20 Marks)

- (a) State the principles of OOP.
- (b) How is a Java program compiled?
- (c) What is the use of `net` keyword?
- (d) How multiple inheritances are achieved in Java?
- (e) List the different exceptions that arise during runtime?
- (f) Write a program to read a file using character stream.
- (g) State the difference between multiprocessing & multithreading.
- (h) How do you manipulate URL in Java?
- (i) What are the advantages of swing over awt?
- (j) Give the syntax of `draw image ()` method.

PART – B

(Answer all five units, 5 X 10 = 50 Marks)

UNIT – I

2 Write a Java program to add two matrices.

OR

3 Explain string and string buffer classes in Java.

UNIT – II

4 Write a program to arrange numbers in ascending and descending order with an interface.

OR

5 Explain the significance of abstract class and methods.

UNIT – III

6 Write a program to input name and age of a person and throw an user defined exception, if the entered age is negative.

OR

7 Describe various stream classes.

UNIT – IV

8 Write a program defining two threads – one for displaying the multiplication table of five and the other for the table of four.

OR

9 Describe the life cycle of an applet.

UNIT – V

10 Write a Java swing program to implement border method.

OR

11 How do you create a modeless dialog box in Java?

