

B.Tech IV Year II Semester (R13) Advanced Supplementary Examinations July 2018

JAVA PROGRAMMING

(Electronics & Instrumentation Engineering)

Time: 3 hours

Max. Marks: 70

PART – A

(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- Compare and contrast equals () versus = .
 - List the variants of string compare functions.
 - What is type conversion in java? Explain.
 - Demonstrate the usage of super keyword.
 - What is four major differences between interface & class?
 - Discuss Byte Array Output Stream.
 - Why do we need cookies?
 - Differentiate between java applet & java application.
 - List the InetAddress class methods.
 - What are the two swing key features?

PART – B

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

UNIT – I

- 2 Explain in detail arithmetic operator, bitwise operator, incremental & decrement operator with proper example. Write a program to demonstrating increment & decrement operator using conditional operator.

OR

- 3 (a) Discuss string constructors.
(b) Differentiate between string and string buffer with an apt example, signifying their usage.

UNIT – II

- 4 What are constructors & parameterized constructors? Explain in detail with example. Write a program for constructor to use 'this' keyword.

OR

- 5 Define a package. Why do we need packages? Illustrate with suitable example, class member access with respect to packages.

UNIT – III

- 6 Describe the java throwable class hierarchy and the types of exceptions. Can you claim multiple exceptions in a method declaration? Illustrate by means of an example.

OR

- 7 Explain classification of stream classes. Explain various types of byte stream classes & character stream classes in detail.

UNIT – IV

- 8 Define multithreading. Explain with an example of an application that needs multithreading.

OR

- 9 What is an applet? Explain in detail about applet life cycle with suitable diagram. Write a program to draw circle & rectangle filled with red color.

UNIT – V

- 10 (a) Write a program to create form for recounting registration after result declaration using swing components.
(b) Give syntax of four constructors of Jtree class.

OR

- 11 Discuss delegation event model for event handling in Java. Explain with a simple program.