R13

B.Tech IV Year II Semester (R13) Advanced Supplementary Examinations July 2017
JAVA PROGRAMMING
(Electronics & Instrumentation Engineering)

Time: 3 hours   Max. Marks: 70

PART – A
(Compulsory Question)
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1   Answer the following: (10 X 02 = 20 Marks)
  (a) List primitive data types along with their memory requirements in Java.
  (b) What is string? List two string handling functions with their use.
  (c) What is overloading and overriding?
  (d) Define package.
  (e) Define exception.
  (f) Differentiate between character and byte stream classes.
  (g) What is thread priority? List them with their values.
  (h) Define cookie.
  (i) List two swing containers.
  (j) Discuss various packages that work with swing components.

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

UNIT – I

2   Write a Java program which makes use of all the operators present in Java.
OR
3   Write a program to replace the occurrence of the word "was" with "is" in a sentence.

UNIT – II

4   Define "inheritance". Explain with proper implementation of inheritance in Java with pseudo code.
OR
5   What is role of packages in Java? How packages are created in Java? Explain with examples.

UNIT – III

6   Create user defined exception "Number equal to zero". Throw this exception when user enters zero value.
OR
7   What is wrapper class? Explain any four methods of any two wrapper classes.

UNIT – IV

8   What is an "applet"? Explain the life cycle of applet with an example.
OR
9   What is protocol? Write a networking program to calculate factorial of a number.

UNIT – V

10   Create a form using swing for university result management system with various components. Create one button, When this button pressed student result should be displayed.
OR
11   Create a form using swing with a menu for banking system. Menu should contain items related to banking operations and facilities. A bank form should get open when menu items are clicked.

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