R13

B.Tech II Year II Semester (R13) Regular Examinations May/June 2015
JAVA PROGRAMMING
(Common to IT & CSE)

Time: 3 hours   Max. Marks: 70

PART – A
(Compulsory question)

1   Answer the following: (10 X 02 = 20 Marks)
  (a)   What is meant by java byte code?
  (b)   List the variants of string compare functions.
  (c)   What is an inner class? Give example.
  (d)   How to apply inheritance to interfaces?
  (e)   What is an exception?
  (f)   List the character stream classes.
  (g)   How to create threads?
  (h)   What are the mandatory methods for an applet? Why?
  (i)   List the sources of item event.
  (j)   Give the hierarchy of swing button classes.

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

UNIT – I
2   (a)   Write a java program to multiply two matrices.
  (b)   Write about type casting in Java.
(OR)
3   Explain the key attributes of object oriented programming.

UNIT – II
4   (a)   Explain the concept of constructor overloading.
  (b)   How to pass objects as arguments? Illustrate with an example.
(OR)
5   (a)   How to define an interface? What is its role in multiple inheritance?
  (b)   What is a package? Explain member access privileges.

UNIT – III
6   (a)   Discuss 'throw' and 'throws' keywords for exception handling.
  (b)   Explain nested try statements with example program.
(OR)
7   (a)   How to perform file input & output using character streams?
  (b)   Write a java program to read a file content and list all the words using string Tokenizer class.

UNIT – IV
8   (a)   Describe the thread life cycle.
  (b)   What is the need of thread synchronization? How java will support thread synchronization?
(OR)
9   (a)   What is the importance of InetAddress class in socket programming?
  (b)   What is the need of repainting in an Applet? Discuss with an example.

UNIT – V
10   (a)   Write a program to create form for your semester exam registration using swing components.
   (b)   Give a note on Grid bag layout.

(OR)
11   Discuss delegation event model for event handling in Java. Explain with a simple program.
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