2013

Time: 3 hours

Full Marks: 80

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

Answer from both the Groups as directed.

Group – A

(Objective-type Questions)

1. Choose the correct answer of the following:

   2 x 10 = 20

   (i) The new operator is used to create:

       (a) Function object
       (b) Class object
       (c) Method object
       (d) All of the above

   (ii) How many access modifiers are there in Java?

       (a) 3

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(Turn over)
(b) 5
(c) 4
(d) 2

(iii) Life cycle of an applet has _______ number of methods:
(a) 2
(b) 3
(c) 4
(d) 5

(iv) Local Objects are objects that execute on:
(a) Host Machine
(b) Host Server
(c) Other Server
(d) Proxy Server

(v) An event compromise of components are:
(a) Event Object
(b) Event Source
(c) Event Handler
(d) All of the above

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(vi) By defaults all the methods in interface are:
(a) Extends
(b) implements
(c) Throws
(d) None of these

(vii) To Display Data on the Screen use:
(a) Printin()
(b) Print()
(c) None of these
(d) Both (a) and (b)

(viii) _______ is the ability of an application to perform multiple task at the same time:
(a) Dynamic Language
(b) Interpreted
(c) Multithreading
(d) Inheritance

(ix) The class Graphics comes from _______ package:
(a) Java
(b) awt
(c) Java.awt
(d) Both (a) and (b)
(x) How many relationships are there in Java?
   (a) 4
   (b) 2
   (c) 3
   (d) 6

Group – B
(Long-answer Type Questions)

Answer any four questions of the following:

15x4 = 60

2. Draw and explain the JDBC application architecture. Explain the types of JDBC drives. Give relation between JDBC and ODBC and explain the every aspect.

3. Explain Java Networking using TCP and UDP. Describe, in detail, about the INET class in Java network package.


UK – 15/2 (4) Contd.
5. What is Applet? Explain its Life Cycle. Also explain the various event listeners and their respective handlers of an Applet.

6. What is Swing? Explain the features of Swing. Write a program that reads a matrix [3][3] from console and prints the transpose of Matrix.

7. Explain the Life Cycle of thread. Discuss synchronization in Java with suitable example.

8. Explain, in detail, all the method of string buffer and string builder class.

9. Describe, with examples, how to create a single line text field, multiple line text field, radio button, check boxes in Java using Applets.

10. Describe, in detail, about Java's collection classes.

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