

Total No. of Questions—4]

[Total No. of Printed Pages—2

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T.Y. B.Sc. (Fourth Semester) EXAMINATION, 2016

COMPUTER SCIENCE

Paper-IV

(CS-345 : Programming in Java-II)

(2013 PATTERN)

Time : Two Hours

Maximum Marks : 40

N.B. :— (i) All questions carry equal marks.

(ii) Figures to the right indicate full marks.

(iii) All questions are compulsory.

1. Attempt *all* of the following : [10×1=10]
- (a) What is the difference between an Iterator and List Iterator?
 - (b) Write the Java Method that creates scrollable and Updatable ResultSet.
 - (c) What is the use of SetAutoCommit () ?
 - (d) State the difference between doGet () and doPost () methods.
 - (e) How do you create a session using HttpSession object.
 - (f) List any two difference between JSP and Servlet.
 - (g) What is scriptlet ? Write syntax of scriptlet.
 - (h) State two-way in creating thread.
 - (i) What is the purpose of join method in the context of thread.
 - (j) State any *two* methods of severeSocket class.

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2. Attempt any *two* of the following : [2×5=10]

- (a) What is metadata ? How do you create database and ResultSet metadata ? Explain.
- (b) Write a JDBC program to insert student details in student table (roll, name, marks) and display all details.
- (c) Write a note on thread priorities.

3. Attempt any *two* of the following : [2×5=10]

- (a) What is cookies ? Explain how cookies are created and accessed in servlet.
- (b) Design an HTML containing student name, class, Gender (male, female) and Hobbies (Drawing, Singing, Reading, Drama). Display the details using servlet.
- (c) What is URL ? Explain class methods with suitable example.

4. Attempt any *one* (either A or B) of the following : [1×10=10]

(A) (a) Explain JSP life cycle. [4]

(b) Write a Java program to accept 'n' employee information (id, name) and store into Hashtable. Display all employee details. [4]

(c) Explain InetAddress class. [2]

Or

(B) (a) Write a note on JSP Expressions with example. [4]

(b) What is the use of notify() and notifyAll() methods ? [4]

(c) State four constructors of HashSet class. [2]

