BCA-S302T: JAVA PROGRAMMING AND DYNAMIC WEBPAGE DESIGN

TIME: 01:30 HOURS   MAX MARKS: 30

Section-A

1. **Attempt any *three* of the following:**   **(2 X 3 = 6 Marks)**

    (a) Write different primitive data types supported in JAVA with their memory capacity?
    (b) Name different looping constructs can be used in JAVA with their syntax.
    (c) What is multithreading in JAVA?
    (d) What is the concept of package in JAVA?
    (e) How can JAVA support multiple inheritance? Write syntax.

Section-B

2. **Attempt any *three* questions from this section:**   **(4 X 3 = 12 Marks)**

    a. Accept a string from the user and print it in following pattern:
       Input: hello **output:** HeLlO / **Input:** Varanasi **output:** VaRaNaSi
    b. Write complete HTML code to display an image, draw a table with 2 rows as well as 3 columns, commenting code and to change text style.
    c. Differentiate between:
        i.   Interface and abstract class
        ii. Constructor and method
    d. Explain the Servlet life cycle with diagram and write a code to display your name using servlet.
    e. Explain the life cycle of an Applet with diagram and code.

Section-C

3. **Attempt any *two* questions from this section:**   **(6 X 2 = 12 Marks)**

    (a) Design a GUI interface to accept two numbers from the user and display their division in separate text field. Handle all possible exception which may rise.
    (b) Write a JSP code to Insert the data and fetch the data from a table customer which has cust_id, cust_name, cust_mobile.
    (c) Design an Applet like this:

1	2	3
4	5	6
7	8	9