

**BACHELOR OF COMPUTER APPLICATIONS
(BCA) (Revised)**

Term-End Examination

□4734

December, 2015

BCS-053 : WEB PROGRAMMING

Time : 2 hours

Maximum Marks : 50

(Weightage 75%)

Note : Question no. 1 is compulsory. It carries 20 marks.

Attempt any three questions from the rest.

1. (a) What is CSS ? Create a sample code to illustrate the external stylesheet for your web page. 5
- (b) Explain the difference between JSP Scriptlets, JSP Tags and JSP Directive. 5
- (c) Design an HTML form which should allow to enter your personal data. (Hint : make use of text field, password field, check boxes, radio and submit button) 5
- (d) Why do we need XML ? Also list the advantages of XML over HTML. 5

2. (a) What are cookies ? Write a program to create cookies to store User ID and password of the client on his/her machine. 5

(b) What are JDBC Driver(s) ? Name them and differentiate between Two and Three tier database access models. 5

3. Assume that there is a table which contains field names such as name, programme, course code and grade. Write a program using JSP and JDBC to insert records into the database. 10

4. (a) What is WML ? Create a WML program which should include a table, an image, a text paragraph and any two WML input elements. 6

(b) Write a JavaScript program to accept the first, middle, last names of the students and print them. 4

5. Differentiate between the following : $4 \times 2 \frac{1}{2} = 10$

- (a) Web widget and Desktop widget
- (b) SVG and Canvas tag
- (c) Details and Summary tag
- (d) Inline stylesheet and Embedded stylesheet.
