BACHELOR OF COMPUTER APPLICATIONS (BCA) (REVISED)
Term-End Examination
December, 2023

BCS-053 : WEB PROGRAMMING

Time : 2 Hours   *Maximum Marks : 50*

Weightage : 75%

Note : *Question No. **1** is compulsory. Attempt any **three** questions from the rest.*

1. (a) What is WAP ? How does WAP model work ? Explain it with diagram.   5

    (b) Explain the uses of any *five* HTML elements which are used in form design.   5

    (c) What is Document Object Model (DOM) ? Draw the node three of an HTML DOM.   3

    (d) What is AJAX ? List out the differences between AJAX and JavaScript.   4

(e) What is CSS ? Explain embedded style sheets with HTML example.   3

2. (a) What is DTD ? Explain its role in XML.   5

(b) What is the need of server side scripting ? How is it different from client side scripting ?   5

3. (a) What are cookies ? How do you create and set the life of cookie in a JSP program ?   5

(b) Design an WML program to display username and password. Make the necessary assumptions.   3

(c) Why do we use GET and POST methods of HTTP protocol ?   2

4. (a) Differentiate between the following :   4

(i) Include directive and Include action

(ii) Model versus view in the context of MVC architecture.

(b) Explain the following WML elements :   3

(i) <optgroup>

(ii) <setvar>

    (c) Explain the Box model of HTML with the help of a diagram.   3

5. (a) Write a JSP program to fetch the record of the student having attributes such as name, programme, course code and grade from the table stored in database.   6

    (b) Explain the method getElementById ( ) in JavaScript with the help of an example.   4

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