

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

Term-End Examination

01222

June, 2017

BCS-053 : WEB PROGRAMMING

Time : 2 hours

Maximum Marks : 50

(Weightage 75%)

Note : Question no. 1 is compulsory and carries 20 marks. Attempt any three questions from the rest.

1. (a) What is Document Object Model (DOM) in the context of HTML ? Draw the node tree of an HTML DOM. 4

- (b) What is WAP ? Design a WML program to display the profile details of a mobile phone. Make the necessary assumptions required. 4

(c) Create an HTML form asking for the following information :

- (i) Name
- (ii) Program (which should be selected from a dropdown list consisting of two options – BCA and MCA)
- (iii) Date of Birth

Also write a JSP program that accepts the input from the form and displays the information on the screen.

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<p>You entered the following information :</p> <p>Name _____</p> <p>Program _____</p> <p>Date of Birth _____</p>
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(d) Explain JSP life cycle in brief. 4

2. (a) Write a JSP scriptlet that adds the numbers 1 to 5. 4

(b) Explain the following HTML elements : 6

- (i) < TEXTAREA > tag
- (ii) < TABLE > tag
- (iii) ANCHOR element
- (iv) < MENU > tag

3. (a) What is CSS ? Explain embedded style sheets with the help of an HTML program. 5
- (b) Explain the use of the following in XML : 5
- (i) XML namespaces
- (ii) XML XSLT
4. (a) What is session tracking ? Explain the use of cookies for session tracking with the help of an example. 5
- (b) What are the uses of GET and POST methods of HTTP ? Also explain the differences between GET and POST. 5
5. Explain any *four* of the following with the help of an example / diagram in the context of web programming : 10
- (a) Events in HTML
- (b) <jsp : useBean >
- (c) <sql : query >
- (d) Social Networking
- (e) XML Schemas
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