

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

Term-End Examination

02926

June, 2016

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 AJAX ? Describe the advantages and limitations of AJAX. 5
- (b) Write a JSP/Servlet program that takes your name and programme code as input and displays it on a web page. 5
- (c) Explain the two attributes of page directive which are included in exception handling in JSP page. 5
- (d) What is WML ? How will you use Timer in WML ? 5

2. (a) Differentiate between the following :
- (i) Social Media and Social Networking
 - (ii) JSP and Servlet 5
- (b) Explain GET and POST methods of HTTP protocol. Why do you use these methods ? Explain with examples. 5
3. (a) What is DTD ? Explain its role in XML. 5
- (b) What is an external style sheet ? With the help of an example, design an HTML program using an embedded style sheet. 5
4. (a) Write a JSP program which will demonstrate the use of `<jsp : include>` and `<jsp : param>` action. 5
- (b) Write a JavaScript program that changes the text 'web programming' to upper case and then again to lower case. This cycle of conversion is performed after every 15 seconds. 5
5. (a) Design a JSP page to fetch the record of the student having attributes such as Roll No, Student Name and Programme from the table designed in SQL server. 5
- (b) Explain the role of web container and HTTP server in the context of web programming. 5
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