

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

Term-End Examination

03110

December, 2017

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) List and explain any five elements used in HTML forms, with the help of an example for each. 5
- (b) Explain with the help of an example how JavaScript can be used to change the text displayed on an HTML page. 5
- (c) Discuss the steps involved in connecting to a database using JDBC. 5
- (d) List the techniques for session tracking. Explain any one of them. 5

2. (a) Explain the life cycle of JSP with the help of a diagram. 5
- (b) Compare and contrast :
- (i) Static web pages and Dynamic web pages 2
- (ii) 2-Tier architecture and 3-Tier architecture 3
3. (a) Explain the Box model of HTML. Write the HTML and CSS for the text “The Open University”, which is to be displayed with 25 px margin on all sides and padding of 15 px on all sides, with white font and blue background colour. 5
- (b) Explain the image and navigational elements of WML with the help of an example each. 5
4. A movie catalogue consists of movie details. The details will have movie name, director name, production year and production house.
- (a) Write an XML document with at least two records for the requirements as above (with suitable assumptions). 4
- (b) Write the DTD that validates the XML document created for the above assumptions. 6

5. Explain any **four** of the following terms with the help of a diagram or an example : $4 \times 2 \frac{1}{2} = 10$

- (a) JDBC-ODBC Bridge
 - (b) Scriptlets in JSP
 - (c) Uses of <div> tag
 - (d) Page Directive of JSP
 - (e) POST Method of HTTP
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