

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

**Term-End Examination
December, 2013**

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) Why is web 2.0 more popular ? How does a static website differ from a dynamic website ? Explain with the help of an example. 5
- (b) What is meant by Document Object Model in the context of HTML ? Write a program using Java script and HTML that changes a paragraph showing "Wel come" to "Welcome to the University". 5
- (c) What are the purpose of GET and POST methods of HTTP ? Explain the differences between with the help of an example. 5
- (d) What is a cookie in the context of HTTP / Web Programming ? Why are they needed ? Explain with the help of an example. 5
2. (a) Explain the process of inclusion of a file into a JSP page ? Explain with the help of an example. State the advantages of doing it. 5

- (b) What is JDBC ? Write a program to insert a record in the employee table of database. Make and state suitable assumptions, if any. 5
3. (a) Explain the Box Model of HTML. Write the HTML and Style sheet for a text "welcome to IGNOU" Which is to be displayed with 20px margin on all sides padding of 10 on all sides, with white font and black background colour. 5
- (b) What is WAP ? Design a WML program to display the profile of an Item having attributes: Item Id, Item Name, Item Price and Item Quantity. 5
4. A Student data is to be represented using XML. The information that is to be included is student ID, student name, student address (Home and Residence) and phone numbers. A student should have one or more phone numbers. Perform the following activities for the description as above :
- (a) Create a XML document showing records of at least two students. 4
- (b) Create the DTD that verifies the document created at part (a). 6
5. Explain the following with the help of an example : 10
- (a) <details> and <summary> tags of HTMLS
- (b) Events in HTML
- (c) Scriptlets in JSP
- (d) Exception handling in JSP
-