BCS-053

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

### Term-End Examination

### June, 2014

## 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)    Explain the use of table, anchor and form    5
elements - password and fieldset tags of
HTML with the help of an example each.

(b)    Design a webpage using HTML and    5
Javascript in which the background colour
of the page changes on the click of the
button.

(c)    Explain with the help of a diagram the life    5
cycle of a JSP page.

(d)    Write a simple HTML/JSP code that handles    5
the division by zero error. Make suitable
assumptions, if any.

2.    (a)    Differentiate between the following :    5

(i)    Client and Server Architecture

(ii)    Static Webpage and Dynamic
Webpage

(b) Assume that a database as a backend to a 5
website exists with a table having fields :
Roll Number, Name, Programme code etc.
Write JSP code sequence of steps to display
the list of students with programme code
"BCA".

3. (a) Explain the use of class selector and id 5
selector in CSS and HTML with the help of
an example.

(b) What is WML ? Design WML program to 5
display the profile of an Employee having
attributes : Employee ID, Employee Name,
Employee Age and Employee Designation.

4. An address book consists of addresses of contacts.
A contact will have a contact name, contact
address, contact type (official, personal, family)
and a number of phone numbers including home
phone and mobile phones.

(a) Write an XML document with atleast two 4
records for the requirements as above. Make
suitable assumptions, if any.

(b) Write the DTD that validates the XML 6
document created in part(a).

5. Explain the following with the help of an 10
example/diagram in the context of web
programming.

(a) HTML Document Object Model (DOM)
(b) Cookie
(c) DIV and span tags
(d) Rich Internet Applications