| BCS-053 |

BACHELOR OF COMPUTER APPLICATIONS (BCA) (Revised)

Term-End Examination

June, 2018

03545

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) Discuss the advantages of Web 2·0 over its previous version. Explain with the help of examples.   5

   (b) How does WML work ? Explain with the help of a diagram.   5

   (c) Explain MVC Architecture with the help of a diagram.   5

   (d) What is a session in JSP ? Why is session management needed ? Explain how cookies can be used for session management.   5

2. (a) What are the scripting elements of JSP ? Explain with the help of an example. *4*

    (b) Assume that a website database has the following fields :
Item Number, Item Name, Item Code.
Write JSP code/program to display the list of items. *6*

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

    (b) What is WAP ? Design a WML program code segment, which takes student attributes Student_ID, Student_Name and Programme as input. *5*

4. A movie catalog 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 with the help of an example/diagram :   *10*

    (a)   <details> and <summary> tags of HTML5

    (b)   Session Object

    (c)   Need of JSP

    (d)   GET Method of HTTP

    (e)   include Directive in JSP