(3 Hours) [Total Marks : 100]

N.B. : 1) Question number 1 is compulsory.
2) Solve any 4 questions from the remaining.

1. A) Explain the domain name system with example. 05
   B) Write a style sheet such that 05
      1) The web page will have the background image "img1.jpg".
      2) The table headings will have red background colour.
      3) All the headings on the page will be aligned to left.
      4) The hyperlinks on the web page will not have underline
      5) Paragraphs in the web page will have left and right margins of 100px.
   C) Write a code in JavaScript to set a Cookie. Assume suitable data for it. 05
   D) Explain the difference between ASP and JSP. 05

2. A) State the properties and methods available on ASP Session Object. Write a code in ASP so that the server terminates the session automatically after 30 minutes if it remains idle. How much is the default timeout. 10
   B) Explain the differences between HTML and XML. 05
   C) What do you understand by a web service? Explain with example. 05

3. A) Explain how JSP works with a neat diagram. 10
   B) What do you understand by a mark-up language? Write HTML statements for the following:— 10
      A) Create a checkbox.
      B) Refresh the web page automatically after every 2 minutes.
      C) Insert an image in the background.
      D) Enumerated list of five items. Numbering should be in capital roman letters which starts from VI.

4. A) Explain the sequence of steps required to access a database from an ASP page with example. 10
   B) Explain the Document Object Model with an example. 10

5. A) Design a web page to maintain a CD catalogue. I should maintain the name of the music album, Songs in that album, composer, singer and year of release. Format it in the tabular manner using XSL. 10
   B) Write a JavaScript code for the following: – 10
      A) To display a digital clock on the screen.
      B) To change the advertisement stored in the form of image after every 5 Minutes automatically.

6. A) Explain the Servlet life cycle in detail. 05
   B) Explain Response object of ASP with its properties and methods. 05
   C) Explain the in-built objects provided in JavaScript with their properties and methods. 10

7. Write short notes on :— 20
   A) XHTML
   B) E-Commerce
   C) Web System Architecture
   D) RSS.