Q.P. Code :09812

[Time: Three Hours]   [Marks:80]

Please check whether you have got the right question paper.

N.B: 1. Question **No. 1** is compulsory.
        2. Solve any **three** questions out of remaining questions.
        3. Assume suitable data if required.

Q.1 a) What is a Web Server and why are they needed.
     b) Explain three tier architecture of web application.   05
     c) Explain PHP string functions.   05
     d) What is the purpose of XML?   05
                                                                                05

Q.2 a) Differentiate between the following:
            i.   Session and cookies   12
            ii.   Client-Side and Server-Side Programming
            iii. JSP and Servlet
            iv.   Static and Dynamic pages

     b) Describe the situations of using External Style Sheets, Embedded (Internal) Style Sheets and Inline Styles.   08
         Use both CSS and HTML code to explain how to use each type of the styles.

Q.3 a) What is JQUERY? Illustrate the use of JQUERY for form validation.
     b) Write a Java script to open a new window when clicking on a button.   10
                                                                                 10

Q.4 a) Discuss the life cycle of Servlet.
     b) Explain with example code how cookies are handled in JSP.   10
                                                                                 10

Q.5 a) What is ADO.Net? How to connect to a database using ADO.NET.
     b) Explain XML, XSL and XSLT with example.   10
                                                                                 10

Q.6   Write short note on (any four)
            i.   Web site design issues   20
            ii.   Building web application using PHP
            iii. Different types of controls used in creation of ASP.NET pages
            iv.   JDBC
            v.   Session tracking
            vi.   Objects in JavaScript

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