**[5560]-590**

**T.E. (Computer Engineering)**
**WEB TECHNOLOGY**
**(2015 Course) (Semester - II) (310254)**

*Time : 2½ Hours]*                                                                 *[Max. Marks : 70*
***Instructions to the candidates:***
1)   *Answer Q.1 or Q.2, Q.3 ro Q.4, Q.5 or Q.6, Q.7 or Q.8, Q.9 or Q.10.*
2)   *Neat diagrams must be drawn wherever necessary.*
3)   *Figures to the right side indicate full marks.*
4)   *Assume Suitable data if necessary.*


***Q1)***  a)   List and discuss the different design issues in web development?  **[5]**

       b)   Write at least any five Differences between HTML and HTML5.  **[5]**

OR

***Q2)***  a)   Discuss the XSLT technology with an example.  **[5]**

       b)   Write a program of your choice to demonstrate the use of DOM.  **[5]**


***Q3)***  a)   Write a Java Servlet which will display "welcome to Servlet" message. **[5]**

       b)   Explain HttpServlet Request and HttpServlet Response with suitable examples.  **[5]**

OR

***Q4)***  a)   How to create array and read elements in Java script.  **[5]**

       a)   Write the differences between include action and include directive in JSP.  **[5]**


***Q5)***  a)   Classify data type of PHP and describe various data types in each type. **[8]**

       b)   Explain with simple example the XMLHttp Request Object. List and explain different values of readystate and status property of the HTTP Request object.  **[8]**

OR

***Q6)***  a)   What is Associate arrays in PHP? Explain it with simple PHP code.  **[8]**

       b)   What are the technologies used in traditional web programming? Also identify location of each technology used in this model.  **[8]**

*Q7)* a) Draw and explain neat diagram which depicts MVC to the struts architecure. **[8]**

b) Create Simple Angular JS application to display "Hello, Input Name" using proper directive. **[8]**

OR

*Q8)* a) Write sample Angular JS application which can demostrate used of different type of expressions. **[8]**

b) Identify and explain data tags from struts 2 which are used to manipulate data displayed on any web application page. **[8]**

*Q9)* a) Draw and explain scenerio of client accesing remote EJB. List some of the EJB clients. **[8]**

b) What are the web services? List and explain layers in protocol stack of web serivce architecture. **[8]**

c) Write short note on Content Management System. **[2]**

OR

*Q10)* a) Write EJB code to aquire JNDI conext through (i). default JNDI properties and (ii). Seperate JNDI properties. **[8]**

b) Draw and explain each tier of three tiers architecture using EJB. **[8]**

c) Write a short note on Spring. **[2]**

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