[5460] - 590
T.E. (Computer Engineering)
WEB TECHNOLOGY
(2015 Pattern)

Time : 2½ Hours]   *[Max. Marks :70*
Instructions to the candidates:

   1)   *Answer Q.1 or Q.2, Q.3 or 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 indicate full marks.*

   4)   *Assume suitable data, if necessary.*

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

      b)   Explain how to call Java Script function from HTML page.   **[5]**

OR

Q2) a)   What are the strengths of XML technology? Also list the limitations of using XML.   **[5]**

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

Q3) a)   Create simple JSP pages which will demonstrates use of implicit session object in JSP.   **[5]**

      b)   Explain HttpServletRequest and HttpServletResponse with suitable examples.   **[5]**

OR

Q4) a)   How to create an object in Java Script? Explain with suitable examples.**[5]**

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

Q5) a) What is Multi dimensional arrays in PHP? Explain it with simple PHP code. **[6]**

b) List and explain different values of readystate and status property of the HTTPRequestObject. **[6]**

c) Write the differences between Client side scripting and server side scripting. **[4]**

OR

Q6) a) Explain server side include in PHP with sample code. **[6]**

b) What are the technologies used in traditional web programming? Also identify location of each technology used in this model. **[6]**

c) Find out and explain how XML and AJAX are related. **[4]**

Q7) a) What is MVC? Draw and explain MVC architecture for developing web applications. **[6]**

b) Create Simple Angular JS application to display "Hello, Input Name" using proper directive. **[6]**

c) Write various features of struts framework. **[4]**

OR

Q8) a) What are the different configuration files are require to develop any struts application? Explain each configuration file. **[6]**

b) Identify and explain data tags from struts2 which are used to manipulate data displayed on any web application page. **[6]**

c) List and explain various directives in AngularJS. **[4]**

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

b) What are the different types of EJB? Identify and explain situations about when to use session beans. **[6]**

c) Write short note on Content Management System. **[4]**

Q10) a) Write EJB code to acquire JNDI context through **[8]**

      i)   default JNDI properties and

      ii)   Seperate JNDI properties

  b) What are the web services? List and discuss components of web services. **[6]**

  c) Write a short note on JSF. **[4]**

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