

Total No. of Questions : 10]

SEAT No. :

**P1760**

[Total No. of Pages : 3

**[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]

**P.T.O.**

- 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 XMLHttpRequestObject. [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]

OR

- 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]

