



Printed Pages : 4

TCS701/TIT503

(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID 0100-1309

Roll No.

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B.Tech

(SEM VII) ODD SEMESTER THEORY EXAMINATION 2009-10
INTRODUCTION TO WEB TECHNOLOGY

Time : 3 Hours]

[Total Marks : 100

Note : Attempt all questions.

I Attempt any four parts of the following : $4 \times 5 = 20$

- What are the differences between a traditional project and a Web Project? Also write down some objectives to develop a Web project.
- Who are the people that you need to develop your Web site? What are the essential skills that must be identified while selecting the members of a team?
- Why is the testing of Web sites very essential before their actual implementation?
- What are the differences between developing a site for a corporate world and developing a site for individual?

- (e) Name some tools along with their applications that may be used for developing Web sites.
- (f) Why is it very important to identify the target users of your Web site? How do you select contents for your Web site?

2 Attempt any four parts of the following : $4 \times 5 = 20$

- (a) Differentiate between the following :
 - (i) HTML and DHTML
 - (ii) ROWSPAN and COLSPAN
- (b) How will you create hyperlinks in Web documents? Discuss on different attributes of creating a hyperlink.
- (c) Justify the need for client side scripting languages. How do you perform client side validation using JavaScript?
- (d) What are cascading style sheets and how are they coded? Explain them with an example.
- (e) What is XML? Explain the parsing in XML. Also mention the applications of XML.
- (f) Write a short note on DOM.

3 Attempt any four parts of the following : $4 \times 5 = 20$

- (a) What is Java Bean? What are its major services?
- (b) Explain the applications of EJB. How it differs with Java Beans?
- (c) Explain the advantages of using servlets for server side programming. What are the packages that support servlets?
- (d) Explain the life cycle of a servlet.
- (e) What do you mean by cookie? Create a cookie that counts the number of accesses to a Web page?
- (f) Name the methods of ServletRequest class and explain their usage.

4 Attempt any four parts of the following : $4 \times 5 = 20$

- (a) What is the functionality of JSP? What are the advantages of JSP over various server side programming techniques?
- (b) Explain the various components of JSP in detail.
- (c) How does JSP handle runtime exceptions?
- (d) What are implicit objects available to JSP page? - Explain.

- (e) Write a short note on Tomcat Server.
- (f) What are sessions? How do you enable and disable sessions using JSP?

5 Write short notes on any two of the following : 10×2=20

- (i) Database programming using JDBC
 - (ii) Accessing a database from a JSP page
 - (iii) Developing Java Beans in a JSP page
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