



Printed Pages : 3

TCS-701/TIT-503

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

**PAPER ID : 0100-1309**

Roll No.

## B. Tech.

### (SEM. VII / SEM. V) EXAMINATION, 2008-09 INTRODUCTION TO WEB TECHNOLOGY

Time : 3 Hours]

[Total Marks : 100

**Note :** Attempt all questions.

1 Attempt any **four** parts : **5×4=20**

- Describe the role of W3C. Also give the names of primary hosts for W3C.
- Explain the various protocols governing web.
- Discuss various factors which are to be addressed while designing websites for individual.
- Write a short note on cyber laws.
- What are the qualities of a good team members for a web project ?
- Define the following with suitable example :
  - Web applications
  - Target users.

2 Attempt any **four** parts : **5×4=20**

- What do you mean by DOM ? Design DOM for a university . (Make assumption yourself).



(b) Why does FORM an important tag in web applications ? Explain attributes ACTION and METHOD.

(c) Define CSS. Write a CSS rule that makes all the text 2.5 times larger than the base font of the system.

(d) Differentiate between HTML and XML.

(e) Write a java script that finds the smallest of given N integers.

(f) Explain the term SAX with suitable example.

3 Answer any **two** parts : **10×2=20**

(a) (i) What do you mean by Java Bean ? Give the advantages of Java Beans.

(ii) Give various steps to develop a simple Bean with example.

(b) (i) What is servlet ? Give its applications. Also explain servlet API.

(ii) Write short note on JSDK.

(c) (i) How does a web server link physically on the Internet ? Explain with the help of block diagram.

(ii) Define firewall. What are the common functions of firewall ?

4 Answer any **two** parts : **10×2=20**

(a) Develop an HTML and Java script document to evaluate the roots of the quadratic equation. Explain each step clearly.

(b) (i) Describe JSP architecture in brief.

(ii) Write short note on Error handling and debugging.

(c) Explain briefly the following :

(i) Tomcat servers

(ii) Sharing data between JSP pages.

5 Describe any **two** of the following with suitable example : **10×2=20**

(a) Accessing a database from a JSP page.

(b) Struts framework

(c) Application specific database action.