

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

PAPER ID :

Roll No.

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B.TECH

Theory Examination (Semester-VI) 2015-16

WEB TECHNOLOGY

Time : 3 Hours

Max. Marks : 100

SECTION-A

1. Attempt all parts. All parts carry **equal** marks.

(2 x 10 = 20)

- What are the various characteristics of web projects?
- State five protocols that governs web.
- What are the elements of form tag?
- Is JavaScript and VB script are same? Justify.
- How will you add background sound and video to your web page?
- Differentiate XML Elements vs. Attributes.
- What is a JavaScript statement? Give an example.
- Define ASP. List its advantages.
- List the implicit objects of JSP.
- Differentiate JSP include directive and JSP include action.

SECTION-B

2. Attempt any **five** questions from this section.

(10 x 5 = 50)

- State the types of lists supported by HTML and explain them in detail.
 - Briefly explain the various web project development phases.
- List and explain the XML syntax rules in detail. Also Explain how a XML document can be displayed on a browser.
- Create an HTML form in your public_html directory which will pass at least three identifiers of different input types (e.g., radio, checkbox, text, text area) and their values to a CGI program. CGI program should print the value with the help of Server
- Compare and contrast the difference between ASP and ASP.NET with suitable examples. Also discuss the importance of ASP.NET in web development.
- Design an online shopping cart application using JSP. Consider a login validation page and one billing page for bill processing using session tracking.

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- f) (i) Write an ASP code to display different image each time a user visits a page.
(ii) Write the important features of AJAX in Web development.
- g) Discuss the reference architecture of DOM and DCOM. Also compare the features of COM and DCOM.
- h) What is CSS? List out the Various CSS Properties. Explain the various concepts of CSS properties with neat example. Also write the advantages of CSS.

SECTION-C

Attempt any **two** questions from this section.

(15 x 2 = 30)

3. What do you mean by event? How event handling is done in JAVA SCRIPT? Write a program to create an applet, window completely Black in colour to start with that becomes brighter and brighter as you go on clicking the mouse.
4. (i) What do you mean by AJAX? Explain the application of AJAX with the help of suitable examples.
(ii) What are the advantages of JSP over various server side programming techniques? How does JSP handle runtime exceptions?
5. (i) What do you mean by CSS? Write a CSS rule that makes all the text 2.5 times larger than the base font of the system.
(ii) Enlist the different steps of database programming using JDBC.