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B.Tech.

(SEM V) ODD SEMESTER EXAMINATION 2015-16
WEB TECHNOLOGY

[Time: 3 hrs]

[Max. Marks: 100]

Note- Attempt All Questions. All Questions carry equal marks:-

1. Attempt any FOUR parts of the following. (5x4=20)
 - a. What is web? Briefly explain the history of web.
 - b. Differentiate between web browser and web server. How does a web server work?
 - c. Write down the differences between a traditional project and a Web based Project. Also mention some objectives to develop a web based project.
 - d. Give the differences between developing a site for a corporate world and developing a site for individual.
 - e. Elaborate the term protocol. Explain the following with example:
(i) FTP (ii) HTTP (iii) WAP (iv) TCP/IP
 - f. What is client server computing? Explain it with one example?
2. Attempt any TWO parts of the following. (10x2=20)
 - a. What are cascading style sheets and how are they coded? Explain them with an example.
 - b. How height and width of an inline image is set? Write down steps for creating image links including an image in a link.
 - c. Differentiate between the following pairs:
(i)HTML and DHTML (ii)SAX and DOM
3. Attempt any TWO parts of the following. (10x2=20)
 - a. What is a java Bean? Differentiate Java Bean and EJB.
 - b. What do you mean by servlet and what are the characteristics of Servlets? Also explain the life cycle of a servlet.
 - c. Give a brief comparison between the Following:
(i) Servlet API and Servlet packages (ii) VBScript and Java Script.
4. Attempt any TWO parts of the following. (10x2=20)
 - a. How error handling and debugging is done in JAVA? Explain with example.
 - b. What is the functionality of JSP? What are the advantages of JSP over various other server side programming techniques?
 - c. Write short notes on:
(i) TOMCAT server (ii) Mail server
5. Attempt any TWO parts of the following. (10x2=20)
 - a. What is the functionality of JSP? Explain the various components of JSP and its advantages in detail.
 - b. Explain COM/DCOM .While developing Commercial Websites. How COM/DCOM is useful?
 - c. Write short notes on:
(i) Database programming using JDBC (ii) Accessing a database from JSP pages