



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

PAPER ID : 113401

Roll No.

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B. Tech.

(SEM. IV) THEORY EXAMINATION, 2014-15

WEB TECHNOLOGY

Time : 3 Hours]

[Total Marks : 100

Note : All questions are compulsory.

1 Attempt any four parts of the following: **5x4=20**

- (a) Differentiate between Web browser and web server. How does a web server work?
- (b) Explain the concept of URL and IP address. Also describe the various fields in IP diagram header.
- (c) What is DHTML? How is DHTML different from HTML?
- (d) What is XML? What is the reason behind development of XML?
- (e) What is CSS? In how many ways it can be applied to an HTML document?

2 Attempt any two parts of the following: **10x2=20**

- (a) Give the introduction to PHP. What are the benefits of PHP? Write code to demonstrate array handling (i.e. numeric, associative and multidimensional).
- (b) What is difference between Java and JavaScript? How is Java strongly associated with Internet? Why do you think JavaScript plays important role in web designing?
- (c)
 - (i) Write PHP code to delete some data from MYSQL database.
 - (ii) Write a PHP code to demonstrate file inclusion i.e. include() and require().

3 Attempt any two parts of the following : **10x2=20**

- (a) Explain on how ASP is involved in developing online application with an example?
- (b) Explain the procedure for creating a website for a corporate world.
- (c) Discuss in detail about JavaScript? Write a JavaScript program to find largest among 5 numbers.

4 Attempt any two parts of the following: **10x2=20**

- (a) Using Servlet, JSP, JDBC and XML create a web application for a recruitment agency to providing assistance in searching the candidates from its database as per requirements of its various clients. Make necessary assumptions while developing this application.
- (b) What is AJAX? Explain the role of AJAX in the web site development.
- (c) What is COM/DCOM? Make the difference table for COM and DCOM. Also describe the importance of COM/DCOM in making commercial web site.

5 Attempt any two parts of the following: **10x2=20**

- (a) What is the functionality of JSP? What are the advantages of JSP over various server side programming techniques? How does JSP handle runtime exceptions?
- (b) How event handling is done in JavaScript? Write a program to create an applet, window completely black in color to start with that becomes brighter and brighter as you go on clicking the mouse.

- (c) (i) How will you define IT projects and their management in an organization. Describe with diagram.
- (ii) What are the basic services of Internet? How it can be used as tool for business?
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