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

(a) Database programming using JDBC.

(b) Accessing a database from a JSP page.

(c) Describe Struts framework with suitable example.

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

PAPER ID : 2143   Roll No. `0 9 2 9 0 1 4 0 5 2`

M.C.A.

(SEM. V) THEORY EXAMINATION 2011-12

WEB TECHNOLOGY

Time : 3 Hours   *Total Marks : 100*

Note :– Attempt **all** questions.

1. Attempt any **four** parts of the following : (4×5=20)

(a) What are the main elements of a good website ? Explain.

(b) Give the differences between developing a site for a corporate world and developing a site for individual.

(c) Elaborate the term Protocol. Explain the following with example :

(i) FTP

(ii) WAP

(d) Write down the differences between a traditional project and a Web based Project. Also mention some objectives to develop a Web based project.

(e) Why it is so important to identify the target users for Website development ? How do you select contents for your Website ?

(f) Explain WEB. Write down the difference between a Static Page and a Dynamic Page.

2. Attempt any **four** parts of the following : (4×5=20)

(a) Differentiate between the following :

   (i) HTML and DHTML

   (ii) ROWSPAN and COLSPAN.

(b) Write a short note on DOM.

(c) How height and width of an inline image is set ? Write down steps for creating image links including an image in a link.

(d) What are cascading style sheets and how are they coded ? Explain them with an example.

(e) Justify the need for client side scripting languages. How do you perform client side validation using Java Script ?

(f) Write a short note on String object, Data object and Array Object.

3. Attempt any **four** parts of the following : (4×5=20)

(a) Write short notes on :

   (i) TOMCAT server

   (ii) Mail server.

(b) Explain the applications of EJB. How it differs with Java Beans ?

(c) Explain the use of request and response object in the communication between the browser and web server.

(d) Explain the life cycle of a servlet.

(e) Differentiate between HTTP authentication and form based authentication.

(f) Name the methods of Servlet Request class and explain their usage.

4. Attempt any **four** parts of the following : (4×5=20)

(a) How error handling and debugging is done 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) Explain the various components of JSP in detail.

(d) What are sessions ? How do you enable and disable sessions using JSP ?

(e) Give a brief comparison between VBScript and Java Script.

(f) Explain COM/DCOM. While developing Commercial Websites, how COM/DCOM is useful ?