

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

PAPER ID : 0113

Roll No.

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B.Tech.

(SEM IV) EVEN SEMESTER THEORY EXAMINATION,
2009-2010

WEB TECHNOLOGY

Time : 3 Hours

Total Marks : 100

Note : Attempt ALL the questions.

1. Attempt any four parts of the following : (4x5=20)
- (a) What are the Web projects ? What are the different techniques to handle Web projects ?
 - (b) What are the essential skills that must be identified while selecting the members of a web project team ?
 - (c) Discuss the most basic elements of a good site design including navigation considerations.
 - (d) What accessibility guidelines should be followed while creating websites for individuals ?
 - (e) What are the various protocols that govern Web ?
 - (f) Write down the steps to create a web site.

2. Attempt **any four** parts of the following : (4x5=20) <http://www.uptuonline.com>
- (a) Write a Java script function for E-mail address validation, i.e., to check if the content has the general syntax of an email or not.
 - (b) How would you define a frameset ? Write HTML code for linked frameset.
 - (c) Explain, how HTTP requests and response are different from FTP ?
 - (d) What are Web services ?
 - (e) What are JAR files ? How they are useful ?
 - (f) What are the advantages of using style sheets ?
3. Attempt **any two** parts of the following : (2x10=20)
- (a) Explain EJB architecture. What are its various types ?
 - (b) Describe the steps used to create Bean and to build applications using BDK.
 - (c) What is a Servlet ? Explain its lifecycle. Illustrate some characteristics of Servlets. How does Servlet differ from Beans ?
4. Attempt **any two** parts of the following : (2x10=20)
- (a) What do you mean by JSP processing ? How JSP pages are handled ? Explain various JSP directives with suitable examples.
 - (b) What is an event ? How events are handled in Javascript ? Write a program to build up a clock using Javascript.
 - (c) Explain the sharing of various type of data between JSP pages with suitable examples.

5. Attempt any two parts of the following : (2x10=20)

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- (a) Explain JDBC application architecture. What are various types of JDBC drivers ? Write steps to connect database with the web application using JDBC.
- (b) Design an automated entry of a user profile through a form using JSP struts Framework. Draw and explain the architecture of the Framework.
- (c) Explain how can you access a database from a JSP page ? Give the database connectivity issues in details.

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