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APR-MAY 2022

B.E. (Sixth Semester) Examination 2020

(New Scheme)

(IT Branch)

WEB APPLICATION DEVELOPMENT

Time Allowed : Three hours

Maximum Marks : 80

Minimum Pass Marks : 28

Note : Attempt all questions. Part (a) of each question is compulsory. Attempt any two parts from (b), (c) and (d) of each question.

Unit-I

1. (a) Define Java Script Object Model.   2

   (b) Explain the different event and event handlers available in Java script with suitable example.   7

(c) What are the properties of the XML HTTP request object and methods also. 7

(d) Write a script using Java Script that checks the given input for a valid name, password length more that *b* characters and age field in the range of 1 to 99. Also write the appropriate HTML code to implement this script. 7

Unit-II

2. (a) What is HTTP & HTTPS? 2

(b) Write JSP code to manage session & also count the total number of visitors. 7

(c) Explain JSP life cycle with its architecture. 7

(d) Define Java Servlets. Discuss the benefits of using Java Servlets. 7

Unit-III

3. (a) What do you understand by normalizing data in XML? 2

(b) What is DTD? How to define elements attributes and entitled in XML? 7

(c) Create an XML document, which contain 5 user information. Implement a program which takes user ID as an input and returns the user details by taking user information from the XML document. 7

(d) What is XML? What are the features of XML? Why is XML so popular? Describe the logical structure of XML. 7

Unit-IV

4. (a) What is Mercantile Process Model? 2

(b) What is an electronic payment system? What are its types and advantages? 7

(c) Draw and explain the architectural framework for E-Commerce. 7

(d) Differentiate between Smart Card and Credit Card. 7

Unit-V

5. (a) What are the components of search engine index? 2

(b) What is the difference between anonymous & non-anonymous FTP server? Also explain some basic FTP commands used for file transfer with remote computer. 7

(c) What measures are adopted for maintaining a site on the Internet? 7

(d) How are Usenet and Internet Relay Chats different from each other? 7