U.S.N ☐☐☐☐☐☐☐☐☐☐

P.E.S. College of Engineering, Mandya - 571 401
(An Autonomous Institution affiliated to VTU, Belgaum)
Seventh Semester, B.E. - Information Science and Engineering
Semester End Examination; Dec - 2016/Jan - 2017
Web Services

Time: 3 hrs *Max. Marks: 100*

*Note: Answer **FIVE** full questions, selecting **ONE** full question from each unit.*

UNIT - I

1 a. Define an XTHML program that defines a table with two levels of column headings an overall heading as "Tree types" and three secondary headings, "Banyan", "Neema", "Coconut" and "Mango". The rows must have the headings as "Average Height", Average width", "Typical Life span" and "Leaf Type" The data cells of the table can be empty. — 10

b. List any five Selector forms in CSS and provide an example for each. — 10

2 a. Write syntactic differences between HTML and XHTML. — 6

b. Illustrate HTML tags for "Super script" and "Hypertext Links" with an example. — 4

c. Design a XHTML program with CSS which generates the following output,

    1. Web programming

- Test
   i) First
   ii) Second
   iii) Third
- Project

    2. Programming with C++

- Test
- Quiz

— 10

UNIT - II

3 a. List two categories of user defined XML schema data types and explain with example for each. — 10

b. With a neat diagram explain about XSLT processing. — 10

4 a. Create a XML to store at-least two student(s) marks scored in the each subject for test-I, along with student information (Name, USN, and Mobile Number) and create XSL style-sheet to display the contents of XML. — 10

b. What is document type definition (DTD)? Describe the approach to declare XSL style-elements, entities and attributes. — 10

UNIT - III

5 a.	With a suitable example explain need of Web services.	10
b.	Write a note on Distributed architecture and World Wide Web.	10
6 a.	What are the events that transpired in the advancement of Client-side architectures?	10
b.	What do you understand by the terms Supply Chain Management and Customer Relationship Management? What impact has Web services on these applications?	10

UNIT - IV

7 a.	Describe the SOAP message structure with an example.	10
b.	Explain the concept of SOAP binding with an example.	10
8 a.	Explain the interaction that takes place between the Web service provider Web service requester and registry in order to invoke a Web service.	10
b.	Describe the different components in structure of a WSDL file.	10

UNIT - V

9 a.	Describe the different data structures that make the core UDDI.	10
b.	Elaborate on how services are discovered from UDDI Business Registry.	10
10 a.	List the two types of blocking call in Synchronous Web services.	2
b.	Give a detailed Description of how RPC is used in Synchronous Web services.	8
c.	Explain how messaging concept is used in Asynchronous Web services. Describe the messaging models prevalent in the enterprise application services.	10

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