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Dr. Ambedkar Institute of Technology, Bangalore**B. E. Third Semester End Examination****Model Paper - 3****Web Technologies****[Time: 3 Hours]****[Maximum Marks: 100]****Note:****1. Answer ANY FIVE fully Question.**

	Marks	CO	RBT Level
1.a) How domain name conversion does happens on web? Describe the concept, with a figure, by taking a suitable example.	[06Marks]	CO1	L2
b) Give and explain the syntax of the following tags: i) <blockquote> ii) <meta>	[04Marks]	CO1	L2
c) Create a XHTML document that has s form with I) Three text boxes to collect user name and address. II) Table with heading product name, price and quantity and values are i) 100-watt light bulb, \$2.39, 4 ii) 200-watt light bulb, \$4.29, 8 iii) 100-watt long life light bulbs, \$3.95, 4 iv) 200-watt long life light bulbs, \$7.49, 8 III) A collection of 4 radio buttons that are labeled as i) Visa ii) Master card iii) Discover iv) Check IV) A submit and reset button.	[10Marks]	CO2	L5
OR			
2. Briefly explain the server operation and the general server characteristics of the Web Server.	[10Marks]	CO1	L2
a) Create an XHTML document to describe an unordered list of at least four states. Each element of the list must have a nested list of atleast three cities in the state.	[10Marks]	CO2	L5
3. What are selector forms? Explain with example, different types of selector forms, with Syntax	[06Marks]	CO2	L1
a) Write document level style sheet to illustrate the text-decoration.	[04Marks]	CO2	L2
b) Create an XHTML document that includes at least two images and enough text to precede the images, flows around them (one on the left and one on right) and continue after the last image	[10Marks]	CO2	L5
OR			
4. Create an XHTML document that has two frames in one column. The top frame, which must be 20 percent of the	[10Marks]	CO2	L5
a)			

column, must have at least four links to other documents; the bottom frame will display those documents. The links must be names of cars.

- b) Briefly explain Conflict Resolution in detail. [10Marks] L2
- 5.a) Describe briefly four uses of JavaScript. [04Marks] CO3 L2
- b) Explain with examples, the screen output and keyboard input methods. [08Marks] CO3 L2
- c) Create XHTML and JavaScript for the following [08Marks] CO3 L5
Function: reverser
Parameter: A number
Returns: The number with its digits in reverse order.

OR

- 6.a) Describe briefly four uses of JavaScript. [04Marks] CO3 L2
- b) Explain with examples, the screen output and keyboard input methods. [08Marks] CO3 L2
- c) Create XHTML and JavaScript for the following [08Marks] CO3 L5
Function: reverser
Parameter: A number
Returns: The number with its digits in reverse order.

- 7.a) What are the different approaches to addressing XHTML elements? Describe with examples [06Marks] CO3 L2
- b) Explain the three phases of event processing on DOM2 event model. [06Marks] CO3 L2
- c) Write JavaScript to compare two passwords. [08Marks] CO3 L1

OR

- 8.a) Explain the different types of positioning with examples. [06Marks] CO3 L2
- b) Write a JavaScript that illustrates the dynamic stacking of images [07Marks] CO3 L2
- c) Write a JavaScript which display the message “Hello, how are you?” when the mouse button is pressed no matter where it is on the screen. [07Marks] CO3 L5

- 9.a) What is DTD? What are the main advantages of XML Schema over DTD's [06Marks] CO4 L2
- b) Explain the three types that can be used to describe data in an element declaration, with an example each [09Marks] CO4 L2
- c) How does an XSLT processor use an XSLT stylesheet with an XML document [05Marks] CO4 L2

OR

10. How elements and attributes are declared in a DTD? Give a sample DTD for airplane [10 Marks] CO4 L2
- a) [04 Marks] CO4 L1
- b) What are the two primary tasks of validating XML parser? [06 Marks] CO4 L2
- c) How does an XSLT processor use an XSLT style sheet with an XML document? [06 Marks]