


Name:			
Enrolment No:			
UPES End Semester Examination, December 2023			
Course: XML PROGRAMMING Program: B.Tech (CSE-H+NH)-OSOS Course Code: CSEG3011		Semester: V Time : 03 hrs. Max. Marks: 100	
Instructions:			
SECTION A (5Qx4M=20Marks)			
S. No.		Marks	CO
Q 1	Explain HTTP in detail. Also give difference between GET and POST method.	2+2	CO1
Q 2	Describe the usage and syntax of PIs in xml. What is the requirement of prefix in namespace?	2+2	CO1
Q 3	<p>Is following XML Document is well-formed? If not, then find out the errors:</p> <pre> <game> <poker type="Omaha Hi Lo"/> <players> <player standing="17">Denis Ethier</player1> <player standing="23">Nancy Mallett</player> <player3 standing="112">Kim Beaver</player> <player standing="411">Leslie Thomas</player4> <player standing="517">Leatta Welch</player> <player standing="711">Davie Dilts</payer> <player standing="720">Juli Allentine</player> <player standing="809">Riley Dillon</players> <player standing="905">Nadia Grace</player> <player standing="1217">Eddie Cidade<player> <player standing="2741">Pamela Harris</player> <player standing="2977">Bernard Aslan</player> </players> <rules src="play.pdf > </poker> </Game> </pre>	4	CO1
Q 4	Which XML is set to be valid XML? Explain with an example.	2+2	CO2
Q 5	Define XML References with example.	4	CO2
SECTION B (4Qx10M= 40 Marks)			

Q 6	What is a parser? Compare and contrast different parsers	5+5	CO1
Q 7	What is CSS. Give some benefits of CSS.	5+5	CO2
Q 8	Elaborate few differences between AJAX and Javascript?	10	CO4
Q 9	What is the function of XSLT? Write a program to use the Stylesheet elements and show the output in the HTML? OR How are documents accessed and manipulated in XML ? Explain predicates in XPath with examples?	5+5	CO4
SECTION-C (2Qx20M=40 Marks)			
Q 10	A.) What are all the features of Ajax? Explain XMLHttpRequest object and its properties and operations . Also show how these can be used in the program. Make a simple Ajax program to print the table of 6 and then explain how it works? Are there any security issues with AJAX, if yes explain them? B.) Describe web service architecture in detail. Also explain different components of web services like SOAP, WSDL, UDDI, XML.	10+10	CO5
Q 11	Describe DTD. Define Notations in DTD. Make a DTD definition that best fulfills the following conditions: Information for a multiple number of products coded within in one XML document. Character data can be coded for product names (element name: product). The product number must have a single, unique name (attribute name: partsno), and is verified as singular and unique by the XML parser. Characters such as # and @ must not be used in price information (attribute name: price). The default value for price (attribute name: price) is "open". The "product" element must have a defined "partsno" attribute. Describe different attribute values in a dtd. Also Discuss the disadvantages of DTDs and how they are overcome. Or Define Schema and its elements. Write the schema for the following xml document . <pre> <census date="1999-04-29"> <censustaker>738</censustaker> <address> <number>510.9</number> <street>Yellowbrick Road</street> <city>Munchkinville</city> <province>Negbo</province> </address> <occupants> <occupant status="adult"> </pre>	10+10	CO3

	<pre><firstname>Floyd</firstname> <surname>Fleegle</surname> <age>61</age> <email>abc@gmail.com</email> <contactNo></contactNo> </occupant> <occupant> <firstname>Phylis</firstname> <surname>Fleegle</surname> <age>52</age> <contactNo></contactNo> </occupant> <occupant> <firstname>Filbert</firstname> <surname>Fleegle</surname> <age>22</age> <contactNo></contactNo> <occupant> </occupants> </census></pre>		
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