

Name:	 UPES UNIVERSITY WITH A PURPOSE
Enrolment No:	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, Dec 2019

Course: XML Programming Program: BTech CSE CCVT Course Code: CSEG 3007	Semester: V Time 03 hrs. Max. Marks: 100
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Instructions: Attempt all Questions. Internal choice in Que 8 and 10

SECTION A

S. No.		Marks	CO
Q 1	Develop a XML code for restaurant menu.	5	CO1
Q 2	Compare commonly used parsers of XML.	5	CO1
Q 3	Define pre-defined entity references in XML.	5	CO2
Q 4	State any two real time XML files alongwith its usage in parent application.	5	CO4

SECTION B

Q 5	Describe the role of XML XSD over XML DTD .Explain in detail various Indicators in XSD with example of each.	10	CO3
Q 6	Discuss the significance of CSS in XML ?Define two types of selectors in CSS? State how various background effects are defined in CSS.	10	CO5
Q 7	Demonstrate step by step how AJAX works? What are the functionalities provided by AJAX?Describe various XMLHttpRequest Object Properties?	10	CO5
Q 8	Describe the function of XPATH? Illustrate various path expression used. Explain these XPath statements :- /grocerystore/item[last()] and //section[@beverages='juices'] <p style="text-align: center;">OR</p> Describe various components of XSL?Explain <xsl:template> . Develop xml code for the employee details and then make an XSLT file to show its data in the proper table format in the browser.	10	CO2,C O4

SECTION-C

Q 9	Describe Web service architecture with proper diagram , various roles and operations. Relate SOAP ,WSDL and UDDI .	20	CO4
Q 10	<p>Construct an XML Schema for the following XML document.Also explain the concept of 'ref' attribute.</p> <p style="text-align: center;">OR</p> <p>Construct an XML DTD for the following XML document? Also explain attribute types and Entity declarations in DTD.</p> <pre> <?xml version="1.0" encoding="UTF-8"?> <bccidomtou touname="Vijay hazare" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:noNamespaceSchemaLocation="fixture.xsd"> <organizer>UKCA</organizer> <Venue> <name>TanushCA</name> <address>Sheesambada</address> <city>Dehradun</city> <country>India</country> </Venue> <match> <team1>Assam</team1> <team2>UK</team2> <group>1</group> <category>Plate</category> <date>25 sep 2019</date> </match> <match> <team1>Meghalaya</team1> <team2>Nagaland</team2> <group>1</group> <bcciguest>Mr.Rajeev<bcciguest> <category>Plate</category> <date>26 sep 2019</date> </match> </bccidomtou> </pre> <p>!-- Note: One venue can have maximum of 5 matches--!</p>	20	CO3

