

Name:

Enrolment No:



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, December 2019

Course: XML Programming

Program: B. Tech CSE + OSS

Course Code: CSEG3011

Semester: 5th

Time 03 hrs.

Max. Marks: 100

Instructions:

SECTION A

S. No.		Marks	CO
Q 1	Explain the functioning of the following datatypes : a) maxExclusive b) enumeration c) Pattern d) totalDigits	4	CO3
Q2	Draw the tree structure for the following <pre><Employee> <Name> <First>Lassi</First> <Last>Lehto</Last> </Name> <Email>Lassi.Lehto@fgi.fi</Email> <Organization> <Name> Finnish Geodetic Institute </Name> <Address> PO Box 15, FIN-02431 Masala </Address> <Country CountryCode="358">Finland</Country> </Organization> </Employee></pre>	4	CO2
Q3	Describe the properties of the following : a) void open(method, URL) b) setRequestHeader(header,value)	4	CO3
Q4	Define the request response type of operation defined by WSDL	4	CO5
Q5	Name four applications of XML	4	CO1
SECTION B			
Q6	Explain the concept of AJAX. Explain the Synchronous and Asynchronous model	10	CO4

Q7	Explain the roles of Web services and briefly describe the protocol stack	10	CO5
Q8	Differentiate between DTD and XSD and give an example to justify the answer	10	CO3
Q9	<p>Explain the concept of XML Parser with the help of a suitable diagram. Briefly describe</p> <p style="text-align: center;">OR</p> <p>Illustrate the following with the help of the code :</p> <p>a) Design the restriction for an element with acceptable values only</p> <p>b) Set the restrictions for a password with length 8 characters with upper or lower case alphabets or numerals 0-9</p>	10	CO2
SECTION-C			
Q 10	Explain the concept of SOAP. Give the reasons for its usage and rule out the rules to write a SOAP message .Justify it with an example.	20	CO5
Q11	<p>a) Write a case study on a well formed and validated document of XML by justifying with an example</p> <p style="text-align: center;">OR</p> <p>b) What is web service and explain its working? Justify with an example</p>	20	CO4