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COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY

**M.Sc. COMPUTER SCIENCE WITH SPECIALISATION IN SOFT COMPUTING
THIRD SEMESTER EXAMINATION, JANUARY 2022**

19-323-0315 Web Technology and Internet Programming

Time: 3 Hrs.

Maximum Marks: 50

**Answer any five questions
Each section carries 10 Marks**

	QUESTIONS	Marks
1	Write a java code which can accept 5 numbers as an input, if all the given numbers were even numbers, then display the message “the given numbers are even number” otherwise call the custom exception which throws an exception “All the numbers are not even number”	10
2	Create the HTML web page for employee details using javascript which should accept string with the pattern which should satisfy following condition; a) Employee id should start with “E0” b) 3 rd letter in the string can be 1 or 2 c) 4 th and 5 th letters in the string can be any digit	10
3	Develop a DHTML web page to check the candidate is eligible to vote or not with the following criteria a) Read age from the user. b) Apply designs in the web page (use CSS) c) Create a button. On clicking the button, web page colour should be changed to green if the age is greater than or equal to 18 otherwise web page colour should be red (Event Handling). d) Prompt the message “Eligible to vote or not” in paragraph tag using DOM (JavaScript)	10
4	Develop a web application using Servlet/JSP/both to maintain cookies for the name a) index.html reads name, age, mobile number and place, then send request to servlet/JSPpage. b) Second web page create cookies for name and navigate to next page. c) Third web page should print name using cookies, age, mobile number and place.	10
5	Develop a Web Application using PHP for the following a) index.html reads transaction information for 3 products (product code, name, rate per unit and quantity) b) index.html forward the request to calculate.php. calculate.php will generate bill for the transaction.	10

6	a) Define Well formed XML file	2
	b) Define valid XML file	2
	c) Discuss the need for XSL and XSLT transformation	2
	d) How can the XML file will be validated?	2
	e) Define XML parser.	2
7	Write down the steps to create java web services, publish the services and then how the client can consume the web service.	10