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**Reg.No:**

**FRANCIS XAVIER ENGINEERING COLLEGE**  
**(An Autonomous Institution)**  
**B.E DEGREE – CONTINUOUS ASSESSMENT EXAMINATION II**  
**Fifth Semester**  
**Computer Science and Engineering**  
**19CS5701– Internet Programming**  
**(Regulation 2019)**

**Time: Three hours****Maximum: 100 Marks****Answer ALL Questions****PART – A (10 x 2 = 20 Marks)**

Q.No	Question	Max. Marks	CO-K Level	PO-P I Code
1.	What do you mean by bubbling listener?	2	CO3-K1	1.3.1
2.	How HTML DOM allows java script to change the text color and background color of a particular element?	2	CO3-K3	3.3.1
3.	Write an example code for a well-formed XML document.	2	CO4-K3	3.2.1
4.	How to use XML schema?	2	CO4-K3	3.3.1
5.	Write a PHP program to print factorial of a number.	2	CO4-K3	3.2.2
6.	What do you mean by for-each loop in PHP.?	2	CO4-K1	3.2.1
7.	Write the characteristics of web service.	2	CO5-K3	3.2.1
8.	What are the elements of WSDL?	2	CO5-K2	1.3.1
9.	Write the SOAP structure	2	CO5-K3	3.2.2
10.	What are the steps involved in AJAX operation?	2	CO5-K2	1.3.1

**PART – B (5 x 13 = 65 Marks)**

Q.No	Question	Max. Marks	CO-K Level	PO-PI Code
11 (a)	Explain in detail about Window Object (OR)	13	CO3-K2	1.3.1
11 (b)	Write a program using mousemove, mouseover, mouseout	13	CO3-K4	3.2.2

	events using javascript.			
12 (a)	Discover XML document to store voter ID, voter name, address and date of birth details and validate the document with the help of DTD. (OR)	13	CO4-K3	1.3.1
(b)	Write XSLT code to display employee details in a Table form which is stored in XML.	13	CO4-K4	3.3.1
13 (a)	Discuss in detail about Regular expressions in PHP (OR)	13	CO4-K2	1.3.1
(b)	i) Using PHP Check if the type of a variable is integer or not ii) Write a program using PHP for Fibonacci series using Recursive function	6 7	CO4-K3	3.2.2
14a)	Write a program to get JSON data using XML (OR)	13	CO5-K4	5.1.2
(b)	Illustrate in detail about the object that helps AJAX reload parts of a webpage without reloading the whole page. (OR)	13	CO5-K2	3.3.1
15 (a)	Design a web service using SOAP and display the value of the product using XML (OR)	13	CO5-K3	5.1.2
(b)	Discuss in detail about the XML Web Services .	13	CO5-K2	1.3.1

PART – C (1 x 15 = 15 marks)

Q.No	Question	Max. Marks	CO-K Level	PO-PI Code
16 (a)	Create college registration form is used to register students for a course in which students can fill their contact information, academic history etc. and validate the form using PHP. (OR)	15	CO4-K3	5.1.2
(b)	Write XPATH code to xml file "course.xml" and a stylesheet for that xml file named "course.xsl". The XSL file uses the XPath expressions under select attribute of various XSL tags to fetch values of category, title, trainer, year, fees, of each course node.	15	CO4-K4	5.1.2

**Competency Level Analysis:**

Competence level	Revised Blooms' Taxonomy	Question No.	Marks	Contribution in %
K1	Remember	1,6	4	2.22
K2	Understand	8,10,11a,13a,14b,15b	56	31.11%
K3	Apply	2,3,4,5,7,9,12a,13b,15a,16a	66	36.66%
K4	Analyze	11b,12b,14a,16b	54	30%
K5	Evaluate			
K6	Create			
Total			180	100

Course Outcome	Marks	Contribution in %
CO1	CO3	30
CO2	CO4	90
CO3	CO5	60
Total	180	100

Prepared By

Verified By

Approved by