

**FRANCIS XAVIER ENGINEERING COLLEGE**  
(An Autonomous Institution)  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**QUESTION BANK**

Year/ Semester: III / V

Academic Year: 2022-2023/ODD

Course Code/Title: 19CS5701 \ INTERNET PROGRAMMING

(Regulation 2019)

Unit No. I

**UNIT IV XML AND PHP**

**9**

XML documents and vocabularies - XML versions and declarations - XML namespace - Representing data types : DTD, XML schema - XSLT - XPath - XQuery - Introduction to PHP - Converting Between Data Types - Arithmetic Operators - Initializing and Manipulating Arrays - String Comparisons - String Processing with Regular Expressions - Form Processing and Business Logic.

**PART – A (10 x 2 = 20 Marks)**

Q.No	Questions	CO	Marks	PO-PI
1.	What are the rules in XML declaration?	C04-K1	2	3.2.2
2.	What is DTD?	C04-K1	2	3.2.1
3.	How to use XML schema?	C04-K3	2	3.3.1
4.	Write an example code for a well-formed XML document.	C04-K3	2	3.2.1
5.	List the parts of XSL?	C04-K3	2	1.3.1

6.	Differentiate echo and print in PHP.	C04-K2	2	1.3.1
7.	What do you mean by for-each loop in PHP.?	C04-K1	2	3.2.1
8.	Write a PHP program to print factorial of a number.	C04-K3	2	3.2.2
9.	Write a PHP program to convert an array to string with different parameters.	C04-K3	2	3.2.2
10.	Write a PHP program for Factorial of 6 using recursion method.	C04-K3	2	3.3.2
PART-B				
1.	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	C04-K3	8  7	3.2.2
2	Discuss in detail about Regular expressions in PHP	C04-K2	13	1.3.1
3.	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.	C04-K3	13	5.1.2
4.	Illustrate in detail the XML schema, built in and user defined data types.	C04-K2	13	3.3.1
5.	Discover XML document to store voter ID, voter name, address and date of birth details and validate the document with the help of DTD.	C04-K3	13	1.3.1

6.	Write XSLT code to display employee details in a Table form which is stored is XML.	C04-K4	13	3.3.1
7.	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.	C04-K4	13	5.1.2