Name 8 - Komat Menarta Class :- FYIT ROII NO 3 - 42 Assignment 3- 1 I What is XML? Explain the anatomy of XML with proper syntax.

=> o XML stands for extensible Markup Language
. XML is a markup language much like \* XML was designed to store and transport data · XML was designed to be self-descriptive. · XML is a was Recommendation XM'L Syntax :-7. The XML declaration is case sensitive and must begin with "27xm1>" where "xm1" written in lower-case 2) If document contains XML declaration, then it strictly needs to be the first statment of the XML document. 3) The XML declaration strictly needs be the first statment in the XML document 4) An HTTP protocol can override
the value of encoding that you
put in the XML declaration.

What is DTD? Explain the types of DTD with suitable example. A document type definition (DTD) is a set of markup declarations that define a document type for an SGML-family markup language
(GML, SGML, XML, HTML). A DTD defines the valid building blocks of an XML document. It definer the document structure with a list of validated - elements and attributes. A DTD ean be declared inline inside an XML document or as an external Types of DTD: DDT identifier is an identifier for the document type definition, which may be the path to a file on the system or URL to a file on the internet. If the DTD is pointing to external path, it is called External Subject.

The square brackets [] enclare on optional list of entity declaration called Internal Subset.

## Internal DTD

A DTD is referred to as an internal DTD if elements are declared within the XML tiles. To refer it as internal DTD. Standalone affribute in XML declaration must be set to yes. This means, the declaration works independent of an external source.

## External . DTD

In external DTD elements are declared outside the XML file. They are accessed by specifying the system attributes which may be either the legal. DTD file or a valid URL. To refer it as external DTD standalons attribute in the XML declaration must be set as no. This means declaration indudes information from the external source.

3) Write a short note on XML schema => An XML Schema describes the structure of an XML document. The XML Schema language is also referred to as XML Schema Definition. exsD). The purpose of an XML Schema is to define the legal building blocks of an XML document: . The elements and attributes that can appear in a document. · The number of (and order of) child elements. · Data types for elements and attributes · Default and fixed values for elements and aftributes . It is easier to describe allowable document content It is easier to validate the correctness of data. . It is easier to define data facets . It is easier to convert data between different data types.

4 Define PHP. How to pass information in php with GIET and POST method? Cit is a recursive acronym, if you can understand what that means. PHP is an HTML - embedded web scripting language. This means PHP code can be inserted into the HTML of a Web page. When a PHP page is accessed, the PHP code is read vesides on. "parsed" by the server the page Gret and Post Methods in PHP PHP provider two methods through which a client (browser) can send information to the verver. There methods are given below, and discussed in detail: 1) Get method 2) Part method Get and Post methods are the HTTP request methods used inside the cform tag to send form data to the server. HTTP protocol enables the communication between the client and the server where

a browser can be the client; and an application running on a computer system that hosts your website can be the server.

Get method

The get method is used to submit the HTML form data. This data is collected by the predefined & GRET variable for processing.

Part method

Similar to the GIET method, the POST method is also used to submit the HTML form duta. But the data submitted by this method is collected by the predefined superglobal variable \$-POST instead of \$-GIET.

5 what are regular expressions? Explain with example.

A regular expression is a sequence of characters that forms a search pattern.

When you search for Jaty in a text.

The was xml schema standard defines its own regular expression flavor. You can use it in the pattern facet of simple type Jefinitions in your XML schemas. E.g. the following Jefines the simple type "SSN" using a regular expression to require the element to

contain a valid US social security number

Compared with other regular expression flavors, the XML schema flavor is quite limited in features.

3) What are regular expression explain with example.

A regular expression is a sequence of characters that forms a search pattern. When you search for data in a text, you can use this search pattern to describe what you are searching for.

A regular expression can be a single character. or a more complicated pattern.

Regular expressions can be used to perform all types of text search rand text replace operations.

Syntax

In PIAP, regular expressions are strings composed of delimiters, a pattern and optional modifiers.

Sexp = "/w3schools/1";

In the example above, 1 is the delimiter, w3schools is the pattern that is being searched for, and is is a modifier that makes the search case-insensitive.

These are specially-defined arrays variables in PHP that make it easy for you to get information about a request or its context. The superglobals are variables available throughout your script. These variables can be accessed from any funtion class or any file without doing any special task such as declaring only global variable etc.

They are mainly used to store and get information from one page to another etc in an application.

Below is the list of superglobal variables available in PHP s-

I SGLOBALS

I SERVER

I SEQUEST

I SESSION

I - COOKIE

I - FILES

I - ENV

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-7 Explain string and string functions with example: => A string is a sequence of characters, like "Hello world!" A string is a collection of characters. String is one of the data types
supported by PHP. The string variables
can contain alphanumeric characters.
Strings are created when; You declare
variable and assign string characters
to it. Example The PHP strlen() function returns the length of a string "Return the length of the string" Hello woxld111 CO PO 1 ( Php echo stylen ("Hello world!"); Output :-12