

DESCRIPTION

SUTDENT’S NAME: Harmanpreet singh

|  |  |
| --- | --- |
| PROGRAM: | **Web design** |
|  |  |
| DATE: | 18/10/2021 |
|  |  |
| TEACHER’S NAME: | Suthakhar ponnambalam |
|  |  |
| COURSE: | **Data Processing Technologies (TTD)** |
|  |  |
| TYPE OF EXAM: | **Mid-term** |
|  |  |
| DURATION: | **3 hours** |
|  |  |
| AUTHORIZED MATERIAL: | **None** |

OTHER INSTRUCTIONS FROM THE TEACHER

The exam has **XX5** pages including the cover page. In accordance with the syllabus, the evaluation is worth **XX20**% of the final grade.

Penalties imposed on a student accused of an attempt at plagiarism could include, but are not limited to, a grade of 0% for examination or for the entire course. The student could also be either put on probation, suspended and / or expelled from the program.

OTHER INFORMATION

Prepared by : **Jean-Guy Turgeon**

Revised by : **M.-J. Villeneuve**

Approved by :

**Good luck !**

*Server-side technologies* *Mid-term exam*

**Question 1**

**What is XML used for?**

Ans xml is extensible markup language which is for machines and humans to store or transmit the data

It is very useful and easy method .following structure method is used in xml

For storing information

<root>

<child>

<subchild>

</subchild>

</child>

</root>

**Question 2**

**Using XML tags, write an example illustrating the XML structure.**

<?xml version="1.0" encoding="UTF-8"?>

<?xml-stylesheet type="text/css" href="assignment.css"?>

<class>

<student>

<name> Amandeep </name>

<lastname>singh</lastname>

<age> 20 </age>

<DOB> 12/05/2001</DOB>

</student >

</class>

**Question 3**

**What is an XML prolog?**

Xml prolog is component used in the beginning of xml for avoding error in internation characters like in the

French we have many characters .the defult prolog is UTF-8.

**Question 4**

**Which of the following tags can't be used in a XML document?**

**(Circle the letter corresponding to your answer)**

1. <xmlroot>
2. <myTag>
3. <tag>
4. <item15>
5. None of the above.

/3

/3

/1

/3

2

*Server-side technologies* *Mid-term exam*

**Question 5**

**It is sometimes possible to code elements in two different ways, transforming metadata in data. Re-code the following example to transform metadata in data.**

<message date="2020-01-22">

<to>Students</to>

<from>Teacher</from>

</message>

Ans <message id="10">

<date>

<year>2020</year>

<month>01</month>

<day>22</day>

</date>

<to>Students</to>

<from>Teacher</from>

</message>

**Question 6**

**Briefly explain what is CDATA used for.**

Ans cdata is character data which is mainly used to indicate the certain portion

Of the data is text which is not treated as markup and will be not parsed. This is used for text contain symbols

Or for special characters

**Question 7**

**Briefly explain what is XSL language.**

Ans xsl is language for styling propose .it is same like css which is used to style xml language

It have for parts .

XSLT

A language for transforming XML documents.

XPath

A language for navigating in XML documents.

XSL-FO

A language for formatting XML documents (discontinued in 2013).

XQuery

A language for querying XML documents.

What is XSLT?

Standing for XSL Transformations, XLTS is the most important part of XLS allowing to transform

**Question 8**

**Briefly explain what the following code lines would actually do.**

<xsl:for-each select="bookstore/book">

<xsl:sort select="year"/>

Ans <xsl:for-each select="bookstore/book">

It is the loop of display the subelements fron element called book which have root element

Bookstore.

<xsl:sort select="year"/>

This is used for sorts the results values according to year.

/5

/3

/2

/3

3

*Server-side technologies* *Mid-term exam*

**Question 9**

**Just like it is mandatory when parsing external files, what is mandatory to parse XML using JavaScript (or jQuery)?**

Ans it is mandatory to made AJAX request must be made first to parse xml.

**Question 10**

**Write what language has been used to code the following lines of codes.**

{

name : "John Smith",

age : "43",

city : "Montreal"

}

Ans Jason programming language is used in above code . which is stand for javascript object notations.

**Question 11**

**Based on the following lines of codes, complete the jQuery code so the DIV would show the result « John Smith is 43 ».**

<div> </div>

<script>

let data = { "name : "John Smith", "age" : "43", "city" : "Montreal" }; let result = JSON.parse(data);

$("div").append( result.name + “is” + result.age );

</script>

**Question 12**

**Retrieving JSON data from an external file, using jQuery, what shorthand method could be used?**

Ans The shortent method getJSON() method is used to get JSON data using an AJAX HTTP GET request.

<h1></h1>

<script type="text/javascript" language="javascript">

$.getJSON('mytest.json', function (data) {

$("h1").append("You are " + data.age + " year old.");

});

</script>

/2

/2

/5

/3

4

|  |  |  |
| --- | --- | --- |
| *Server-side technologies* | *Mid-term exam* |  |
| **Question 13** | /5 | |

**Based on the following JSON data, complete the code so the result showing in DIV would be «Jane Doe»**

{

users: [

{

one : "John Smith",

two : "Jane Doe",

}

]

}

<div> </div>

<script>

$.getJSON('myfile.json', function(data) {

let result =( data.one) ;

$("div").append(result);

}

</script>

5