

SISHYA SCHOOL HOSUR

FORMATIVE ASSESSMENT III - PEN PAPER TEST –2016-17

Subject: Foundation of Information Technology

Max.Marks:20

Class: X

Duration: 50mins

General Instructions:

- (i) All questions are compulsory.
- (ii) Answer the questions after carefully reading the text.

I. Choose the correct answer:

1. Well formed XML document means: (1)
 - a) It contains only one root element
 - b) Every start tag must have a matching end tag
 - c) End tags must be enclosed with a forward slash(/)
 - d) All the above
2. XML schema is designed to (1)
 - a) be self-descriptive
 - b) display only useful data
 - c) carry request
 - d) give response
3. Comments in XML document is given by (1)
 - a) <?----->
 - b) <!-----!>
 - c) <!----->
 - d) </----->

II. Fill in the blanks:

4. XML is subset of _____ (1)
5. _____ contains the list of all possible elements in an XML document. (1)
6. An XML document can have only one _____ element. (1)
7. _____ and _____ are two types of DTD supported by XML. (1)

III. Answer the following:

8. Write any four naming rules for XML documents. (2)
9. Create a DTD for storing book information for a library. The DTD should contain details about each book in terms of title, author name and no.of copies all of which can store character data. (2)
10. Distinguish between XML and HTML. (2)
11. Define XML Parser. (2)

IV. Answer the following:

12. Write a code to create an XML document to present the following data: (5)

Name	Job	Department	Cubicle
Sajan	Programmer	Engineering	5E
Sai	Designer	Marketing	19T

Sishya school Hosur
 FORMATIVE ASSESSMENT III - PEN PAPER TEST –2016-17

ANSWER KEY

Sub: Foundation of Information Technology

Max.Marks:20

Class: X

Lesson: 8.XML

Duration: 50mins

Q.No	Answer	Mark	Time	Skill										
I.1	d)All the above	1	2min	K/A										
2	a)be self-descriptive	1	2 min	K/A										
3	c)<!----->	1	2 min	K/U										
II.4	SGML	1	2 min	K										
5	DTD	1	2 min	K										
6	root	1	2 min	K										
7	Internal and external	1	2 min	K										
III.8	XML naming rules are: 1.Names can contain letters, numbers and other characters. 2.Names cannot start with a number or punctuation character. 3.Names cannot start with the letters xml. 4.Names cannot contain space.	2 (each ½ m)	5 min	K/U										
9	<?xml version="1.0"?> <!doctype library[<!element library(title,authorname,copies)> <!element title(#pcdata)> <!element authorname (#pcdata)> <!element copies(#pcdata)>]>	2	5 min	K/U/ App										
10	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">XML</th> <th style="width: 50%;">HTML</th> </tr> </thead> <tbody> <tr> <td>XML tags are case sensitive</td> <td>Tags are not case sensitive</td> </tr> <tr> <td>Tags should have an end tag</td> <td>It can be both empty and container tag</td> </tr> <tr> <td>XML is designed to store and carry data</td> <td>It is designed the display the data</td> </tr> <tr> <td>XML requires validation</td> <td>Does not require validation</td> </tr> </tbody> </table>	XML	HTML	XML tags are case sensitive	Tags are not case sensitive	Tags should have an end tag	It can be both empty and container tag	XML is designed to store and carry data	It is designed the display the data	XML requires validation	Does not require validation	2 (each ½ m)	5 min	A
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XML is designed to store and carry data	It is designed the display the data													
XML requires validation	Does not require validation													
11	An XML Parser is a piece of software which can do the following: a) Check for well-formed. b) Validate the document. c) Allows us to read, create or modify existing XML documents.	1 1	5 min	A										
IV.12	<?xml version="1.0"?> <Office> <detail> <Name>Sajan</Name> <Job>Programmer</Job> <Department> Engineering</Department> < Cubicle>5E</ Cubicle> </detail> < detail> <Name>Sai</Name> <Job> Designer </Job> <Department> Marketing </Department> < Cubicle>19T </ Cubicle> </detail> </Office>	1 } 2m } 2m	10 min	K/U/ App										

Checking Answers-6mins