PRE-BOARD EXAMINATION
FOUNDATION OF INFORMATION TECHNOLOGY

Class-X　　　　　　　　　　　　　　　　　　　　　　　**TIME : 3 Hrs**

MM : 80.

SECTION – A

1.　　Fill in the blanks:　　　　　　　　　　　　　　　　　　　[10]

　　1.1　　_____ is the extension of XML file.

　　1.2　　A set of header rows is defined using _____ tag.

　　1.3　　In cells that have span of more than one rows, data can also be vertically aligned using _____ attribute

　　1.4　　_____ gives the amount of space between the cell border and the cell contents.

　　1.5　　XML is supported and recommended by _____

　　1.6　　Every XML document or file has _____ structure and _____ structure

　　1.7　　_____ are means to define individual data items in XML

　　1.8　　DTD stands for _____

　　1.9　　A _____ is a program designed to replicate.

　　1.10　　_____ refers to the sending of bulk mail by an identified or unidentified source.

2.　　State true or False:　　　　　　　　　　　　　　　　　　[10]

　　2.1　　XML is case sensitive .

　　2.2　　An XML document can have only limited number of child element.

　　2.3　　A sweeper deletes all data from the system.

　　2.4　　The alt attribute may be specified with <IMG> tag.

　　2.5　　<TR> tag defines table row and column.

　　2.6　　BORDERCOLOR attribute is used with <BODY> tag

　　2.7　　ALIGN attribute of <TABLE> tag is used to align the contents of a table

　　2.8　　XML parser is software that validates the XML Document.

　　2.9　　A stylesheet is made up of style rules that tell a browser how to present a document

　　2.10　　Digital certificate is a unique digital – ID code attached to a message.

3.　　Carefully study the webpage given below. Identify 10 tags(structural as well as formatting tags) that have been utilized in creating this webpage and write the usage of each of them.　　　[15]

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!! MAHARAJA !!

(A ***** Restaurant)

This site displays the list of dishes available in our Restaurant and you can order it online by sitting at your home. So order and enjoy our delicious food.

- **Indian Dishes**
    1. Vegetarian Dishes
    2. Non Vegetarian Dishes
- **Continental Dishes**
    1. Vegetarian Dishes
    2. Non Vegetarian Dishes

For placing order click here.

4.   Answer the following question.

4.1 Shreenivasan is working for a Publishing company where he needs to carry large amount data as text and images from his home to office every day. He needs to keep the backup of these data for further reference. Suggest two electronic backup devices which he can use for this purpose.   [2]

4.2 Who are crackers and Hackers?   [2]

4.3 To meet the requirement of e-commerce security , following technologies are use. Name them.   [5]

   a) it is the conversion of data into a form called ciphertext.

   b) It is a digital code that can be attached to an electronically transmitted message that uniquely identifies the sender

   c) It is a digital document issued by the Verisign.

   d) It is a standard security technology for establishing an encrypted link between a web sever and a browser.

   e) It protects a server , a network and an individual PC from attack by viruses and hackers.

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5.   Do as directed:

5.1 Draw the XML tree for the code given below.   [5]

```
<SCHOOL>
        <STUDENTS>
                <SENIOR>
                        <CLASS>XB</CLASS>
                        <NAME>ABC</NAME>
                </SENIOR>
                <JUNIOR>
                        <CLASS> VB</CLASS>
                        <NAME> XYZ</NAME>
                </JUNIOR>
        </STUDENTS>
</SCHOOL>
```

5.2 Write the HTML code to generate the following output of a table with the contents exactly in the same format as shown within the table: [5]

ADMNO	SNAME	NAME	DOB
1110	MANJIT	RANJIT	4-MAR-1990

6. Write the HTML code to generate the following output: [10]

ST. FRANCIS SCHOOL, ANPARA

Admission for class XI Science

Collect information for

1. Admission dates
2. Admission Rules
3. Fees structures
4. Teaching Staff
5. Results

Click on the options

for details

Subjects offered

1	Physics
2	Mathematics
3	Biology
4	Chemistry
5	Computer Science

Note the following points while generating the Webpage:

    a. Link colour is green, active link colour is blue and visited link colour is red.

    b. Title of the page is "Admission Notice"

    c. Heading of the page is maroon.

    d. Image used is sfs.jpg.

    e. Caption of table is blue.

    f. Table border is blue and size is 2

    g. The 5 links are Adates.html, Arules.html, Fees.html, Teachers.html, result.html

    h. The email id for contact us is sfs@xyz.com

    i.

SECTION – B

7. Multiple Choice Questions (Choose most appropriate option)   [16]

7.1 Which of the following is an attribute of <Table> tag?
    a) BORDER   b) LINK
    c) SRC   d) BOLD

7.2 To avoid problems while working with internet you should follow these precautions:
    a) Install anti-Virus on your computer
    b) Take the back-up of your files regularly
    c) Do not click on unknown links
    d) All of the above

7.3 What is the correct syntax in HTML for creating a link on a webpage?
    a) <LINK SRC= "abc.html">
    b) <BODY LINK = "abc.html">
    c) <A HREF SRC = "abc.html" >
    d) None of the above

7.4 Which HTML tag would be used to display power in expression $x^2+y=10$
    a) <SUP>
    b) <SUB>
    c) <B>
    d) <P>

7.5 Output of XML document can be viewed in a
    a) Word Processor
    b) style sheet
    c) Notepad
    d) None of the above

7.6 ………… attacks eats up all the resources of system and halt it

    a) Denial of services
    b) Trojan
    c) Bug
    d) Anti Virus

7.7 Choose the correct HTML code to create an email link?

a) <A HREF = "xx@yy.com"></A>
b) <A HREF = "mailto:xx@yy.com" EMail></A>
c) <MAIL>xx@yy.com</MAIL>
d) None of the above

7.8 Choose the correct HTML tag to make the text underline?
a) <U>
b) <LINE>
c) <UNDERLINE>

d) Both a) and c)

7.9 Electronic junk mail is called
a) virus   b) spam   c) worm   d) mail

7.10 Which statement is false?
a) An XML document can have one root element
b) An XML document can have many child element
c) XML elements have to be in lower case
d) The software that validates XML – document is XML valiadtor

7.11 Which is a correct name for an XML element?
a) <xmldocument>
b) <7eleven>
c) <phone number>
d) <?root>

7.12 Is this a "well formed" XML document?
<names>
        <name>Jeevan</name>
        <name>Raunak</name>
        <name>Vasu</name>
</names>

a) Yes
b) No
c) Cannot be determined without the DTD
d) None of the above

7.13 Well formed XML document means
a) It contains a root element
b) It contains an element
c) It contains one or more elements
d) Must contain one or more elements and root element must contain all other elements

7.14 Which is not the correct HTML tag for heading?
a) <H1>
b) <H6>
c) <H3>
d) <H10>

7.15 Out of the following, which one will be altered or modified by a computer virus?
a) Operating System
b) Speed of Network Connectivity

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c) Application Software
d) All of the above

7.16 Comments in XML document is given by:
  a) <?_ _ _ _>
  b) <!_ _ _ _!>
  c) <!>_ _ _ _<!>
  d) None of the above

Prepared By :- Sunil Cyril

St. Francis School, Anpara