INDIAN SCHOOL MUSCAT

SECOND PRELIMINARY EXAMINATION

FOUNDATION OF INFORMATION TECHNOLOGY

(Code: 165)

Class : X

Date: 03.02.2019

Max. Marks: 40

Time: 2 $\frac{1}{2}$ Hrs

General Instructions:
1) The question paper consists of 16 questions.
2) All questions are compulsory; however internal choice has been given in a few questions.

1. **Multiple Choice Questions**

a. Protocol used to transfer a file from clients to server and vice versa :   1
(i) HTTP   (ii) FTP
(iii) STP   (iv) FTTP

b. LINK, ALINK and VLINK are the attributes of :   1
(i) <BODY> tag   (ii) <HEAD> tag
(iii) <TITLE> tag   (iv) <A> tag

c. Pick odd one from the list given below :   1
(i) Text   (ii) Number
(iii) Date   (iv) Alphabet

d. Identify the attribute(s) which are common in FONT and BASEFONT tag :   1
(i) FACE   (ii) SIZE
(iii) BGCOLOR   (iv) Both (i) and (ii)

e. Full form of XML is   1
(i) Extensive Markup Language   (ii) Extensive Moderator Language
(iii) Extensible Markup Language   (iv) Extensible Moderator Language

2. Write down one main advantage of e-Banking   1

3. What is Blog?   1

4. $(A + B)2 = A2 + B2 + 2AB$ 1
To display above given mathematical expression on a webpage, following HTML code was written :
(A + B)₂ = A₂+B₂+2AB

But it's not displaying the expression in desired format. Identify the fault(s) and suggest the required correction(s).

5. Define search engine.   1

6. What are benefits of ICT in Education ?   1

7. Match web services / URL given in column 'A' with corresponding web services /   2
    URL given in column 'B' :

    Column A   **Column B**
    e-Learning   https://www.india.gov.in/

    https://www.irctc.co.   in/ e-Banking

    e-Governance   e-Reservation

    (National Portal of India)
    https://www.onlinesbi.com/   https://www.w3schools.com/

8. Mention any two positive impacts of ICT on society.   2

9. Write HTML code to generate the webpage as shown below having lists in the given style : 2

    Stream Options

    1. Science

    o **With Maths**
    o **Without Maths**
    2. Commerce
    3. Humanities

    OR

    Differentiate between <OL> and <UL> tag with suitable example of each.

10. A table named "Student" has following columns :   2
    RegNo, Name, Age, City
    Identify which column can be specified as Primary key and why?

    OR

    Discuss the significance of Primary key column in a table with suitable example.

11. Rachit, a beginner in web designing is not able to understand that how internal linking is different from   3
    external linking. Explain him about the same. Additionally tell him about the suitable tag and its
    attribute(s) for creating internal linking.

12. Write any three main points of differences between HTML and XML.   3

13. How websites and web pages are related with each other? Explain with suitable example.   3

14. What do you understand by the term "Computer Virus"? Mention any two symptoms which may confirm the virus infection.   3

<p style="text-align:center;">**OR**</p>

Mention any two factors which may cause data loss. Suggest a suitable way to deal with them.

15. Draw the XML tree for the code given below :   5

```
<SPORTS>
<INDOOR>
            <TT>
            <Player>SwamiNathan</Player>
            <Age>20</Age>
            <Score>90</Score>
            </TT>
</INDOOR>
<OUTDOOR>
            <CRICKET>
            <Player>Ajay</Player>
            <Age>18</Age>
            </CRICKET>
</OUTDOOR>
</SPORTS>
```

16. Attempt any one question out of the given two :   5

<div style="border:1px solid black; padding:1em;">

<p style="text-align:center;">**SMOG**</p>

Smog is a type of air pollutant. The word "smog" was coined in the early 20th century as a portmanteau of the words smoke and fog to refer to smoky fog, its opacity, and odour.

The atmospheric pollution levels of Los Angeles, Beijing, Lahore, Mexico City, Tehran and other cities are increased by inversion that traps pollution close to the ground. It is usually highly toxic to humans and can cause severe sickness, shortened life or death.

Contents

1. Etymology
2. Causes
   - Coal
   - Transportation emissions
   - Photochemical smog
   - Natural causes
3. Health effects
   - Levels of unhealthy exposure
   - Premature deaths due to cancer and respiratory disease
   - Alzheimer risk

<p style="text-align:center;">know more</p>

</div>

Consider following points while generating the web page :

- The title of the page is "SMOG".

- The heading is in blue colour

- Text colour is maroon

- Font of entire document is Arial

- Image used is "image.jpeg"

- Use nested listing if required

- The pages linked are :

  - Causes to "cause.html"

  - Health effects to "health.html"

  - Know more to "more.html"

- Bottom message is of size 2

OR

Discuss the significance of <TABLE> tag in HTML with brief explanation of any four attributes of <TABLE> tag.

End of the Question Paper