Roll No. ☐☐☐☐☐☐☐

- Please check that this question paper contains **8** printed pages.
- Code number given on the right hand side of the question paper should be written on the title page of the answer-book by the candidate.
- Please check that this question paper contains **7** questions.
- **Please write down the Serial Number of the question before attempting it.**
- 15 minutes time has been allotted to read this question paper. The question paper will be distributed at 10.15 a.m. From 10.15 a.m. to 10.30 a.m., the students will read the question paper only and will not write any answer on the answer script during this period.

SUMMATIVE ASSESSMENT – II

FOUNDATION OF INFORMATION TECHNOLOGY

Time allowed : 3 hours   *Maximum Marks : 80*

SECTION A

1. Fill in the blanks :   *10*

   (i)   _____ is an attribute of the < TABLE > tag to set the minimum distance between two adjacent cells.

   (ii)   The default colour of a hyperlink on a web page is _____.

   (iii) An _____ link allows a link to another web page or another web site.

   (iv)   The attribute _____ is used for specifying the URL of the anchor tag.

   (v)   _____ is used to combine the cells horizontally.

(vi) All XML documents must have one _____ element.

(vii) The tag _____ is used to create superscripts and _____ tag is used to create subscripts on a web page.

(viii) An image to be displayed in a web page has to cover 50% of the browser window horizontally and 25% vertically. The attributes _____ and _____ of the < IMG > tag would be used for achieving this.
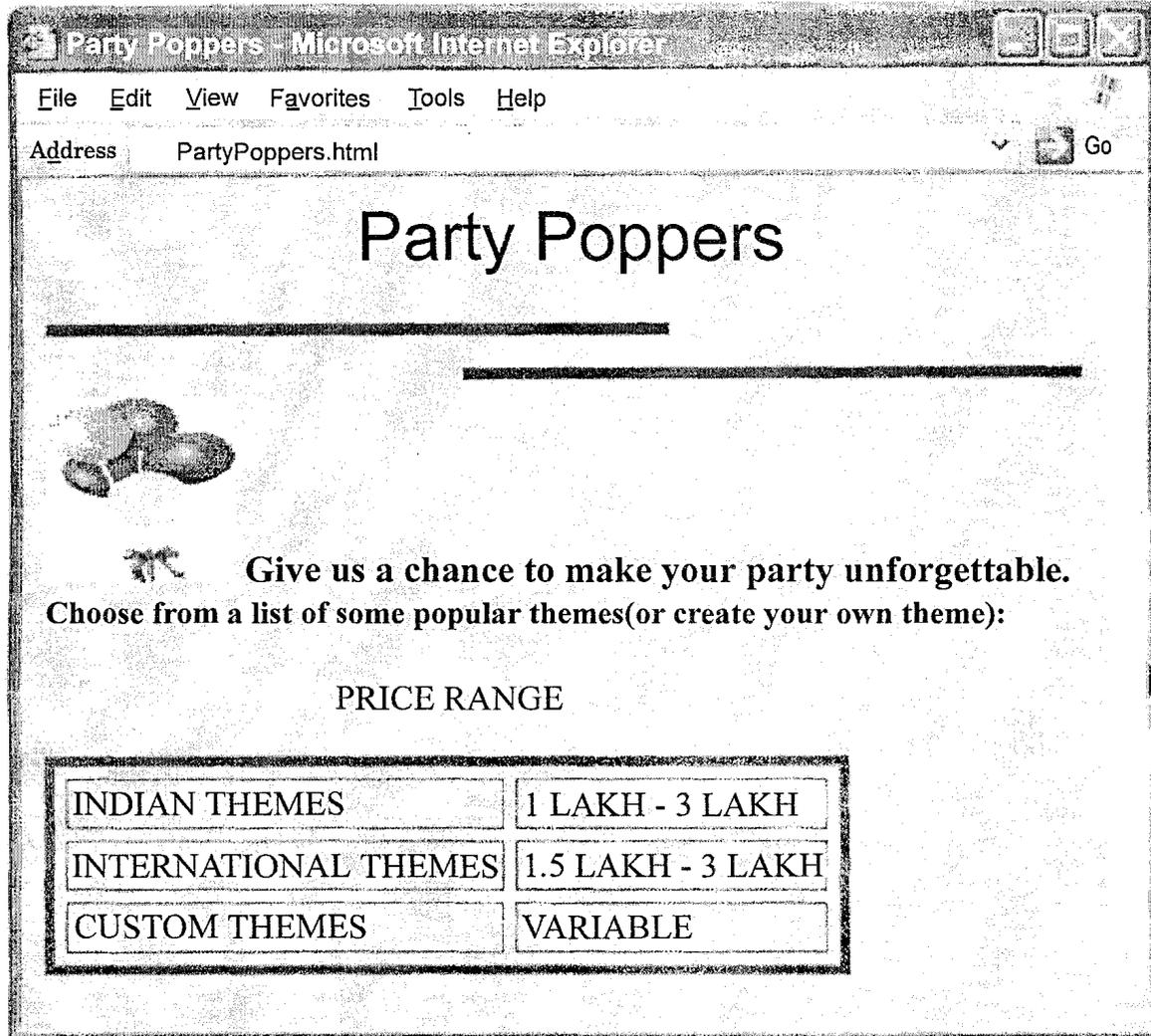
2. State *True* or *False* : 10

(i) It is not important to specify an integer value as the width of the border of an image.

(ii) The ALIGN attribute of the < IMG > tag is used to specify the text that is to be displayed in case the browser does not support graphics.

(iii) < TH > tag is used to specify the column heading in a table.

(iv) The NAME attribute of the < A > tag allows the user to create links within the same document.

(v) XML uses a DTD to describe its data to users.

(vi) The < A > tag is called the align tag.

(vii) The colour of the hyperlinks in an HTML document can be changed.

(viii) In XML, tag names cannot contain spaces but can use underscores.

(ix) Both HTML and XML are markup languages used to format data.

(x) It is not necessary to regularly take back-up of important files.

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*

4. Answer the following questions :

(i)   Shreenivasan is working for an IT firm where he needs to backup his data of around 200 MB to 400 MB at the end of each day. Each day backup needs to archived separately for future reference. Suggest any two economic data backup devices, which he can use for this purpose.   *2*

(ii)   Explain the usage of an XML parser.   *2*

(iii)   Give one specific software/tool for each of the following :   *2*

(a)   Open Source Web Browser

(b)   Online Backup Tool

(iv) Identify the errors in the following HTML code and write the corrected code with each correction underlined : 3

```
<HTML>
    <TITLE> IMAGES</HEAD>
    <BODY BGCOLOR="PIC1.JPG">
        <IMG HREF="abc.jpg"> HERE IS MY IMAGE FILE
    </BGCOLOR>
</HTML>
```

5. Do as directed :

(i) Draw the XML tree for the code given below : 5

```
< DIET >
    < MORNING >
        < CEREAL > OATS < / CEREAL >
        < FRUIT > PAPAYA < / FRUIT >
        < LIQUID > TEA < / LIQUID >
    < / MORNING >
    < AFTERNOON >
        < CEREAL > BRAN < / CEREAL >
        < FRUIT > APPLE < / FRUIT >
        < LIQUID > JUICE < / LIQUID >
    < / AFTERNOON >
< / DIET >
```
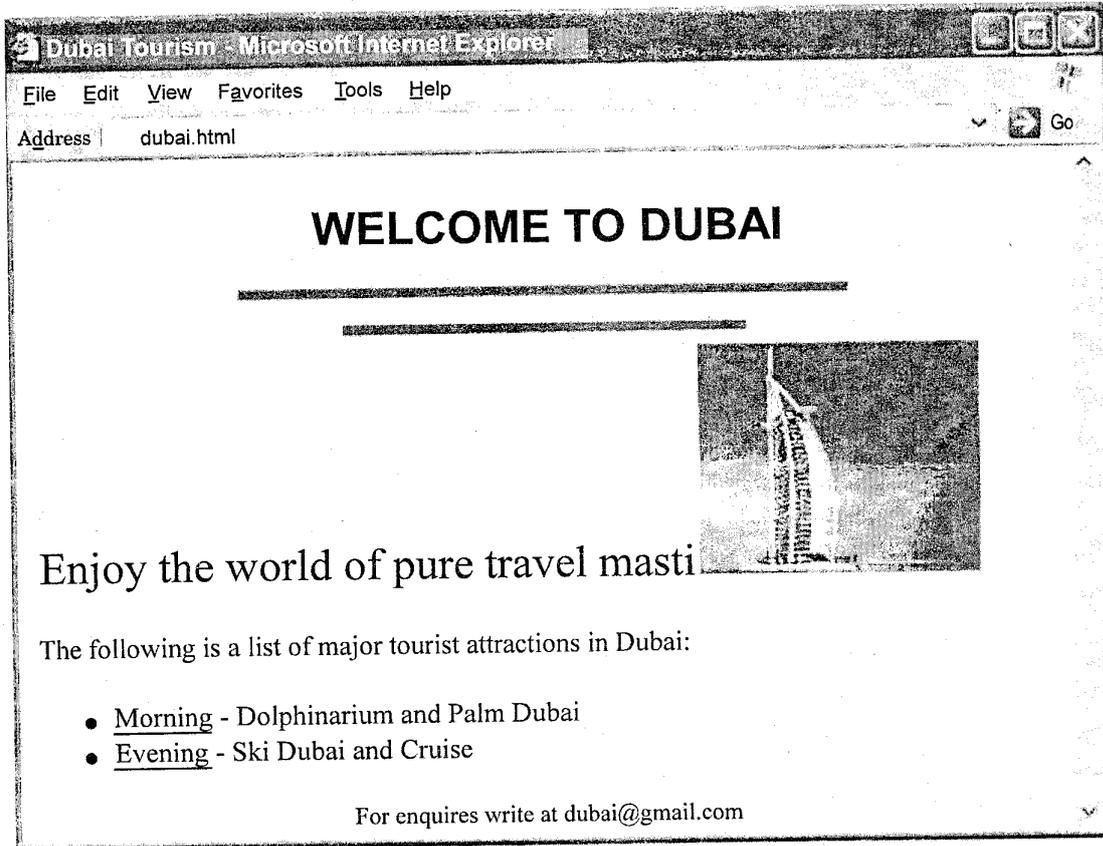
(ii) Write the HTML code to generate the following table on a web page with the contents and alignment exactly as shown below : 5

NAME	CLASS	SECTION
SAHIBA	10	A

4

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

Note the following points while generating the webpage :

(i)   Title of the page should be "Dubai Tourism".

(ii)   The heading text "Welcome to Dubai" is in Arial font and is of maroon color.

(iii)   The horizontal lines below the heading are 5 pixels thick and of red color.

(iv)   Image used in the page is burj.jpg

(v)   The bulleted list contains links as specified below :

- The text Morning is a link to the webpage "morning.html"
- The text Evening is a link to the webpage "evening.html"

7. Choose the most appropriate option for the following : *16*

   (i)   _____ are unwanted bulk emails, or unwanted commercial emails.
       (a)   Blog
       (b)   Attachments
       (c)   Spam
       (d)   Malware

   (ii)   Which of the following is a text editor ?
       (a)   Notepad
       (b)   Wordpad
       (c)   Both (a) and (b)
       (d)   None of the above

   (iii) The _____, at first glance will appear to be useful software but will actually do damage once installed or run on your computer.
       (a)   Worm
       (b)   Virus
       (c)   Trojan
       (d)   Spam

   (iv) The XML document is like a
       (a)   Tree structure
       (b)   Inverted tree structure
       (c)   Flat structure
       (d)   None of the above

   (v)   Name the root element in the following XML document.

```
<father>
  <child1>
    <name> Megha</name>
    <age>12</age>
  </child1>
  </child2>
    <name> Mana</name>
    <age>15</age>
  </child2>
</father>
```

       (a)   child1   (b)   child2
       (c)   father   (d)   name

(vi) A software used to open web pages on the internet is called a
_____ .

    (a) Browser

    (b) Portal

    (c) Surfer

    (d) Provider

(vii) XML stands for

    (a) Extensible Markup Language

    (b) Extended Markup Language

    (c) Extensible Makeup Language

    (d) Extended Makeup Language

(viii) A comment in XML is enclosed in

    (a) < ! -- and -->

    (b) < -- and -->

    (c) < ! -- and --!>

    (d) None of the above

(ix) An XML document that follows the XML syntax is called a

    (a) Valid XML document

    (b) Well formed XML document

    (c) Correct XML document

    (d) All of the above

(x) A _____ is someone who breaks into someone else's computer system, often on a network; bypasses passwords or licenses in computer programs; or in other ways intentionally breaches computer security with malicious intent.

    (a) Hacker

    (b) Cracker

    (c) Worm

    (d) Malware

(xi) The attribute used to set the border colour of a table is

    (a) BORDER

    (b) BORDERCOLOR

    (c) COLOR

    (d) BORDER COLOR

(xii) Which of the following is *not* an attribute of the < TABLE > tag ?

    (a) ALT

    (b) WIDTH

    (c) BORDER

    (d) BACKGROUND

(xiii) Which of the following tags is suitable for creating bulleted list ?

    (a) < BL >

    (b) < OL >

    (c) < UL >

    (d) < DL >

(xiv) Choose the correct HTML to left-align the content inside a table cell.

    (a) < TD ALIGN = "left" >

    (b) < TD VALIGN = "left" >

    (c) < TD LEFTALIGN >

    (d) < TD LEFT = "Align" >

(xv) The two common attributes of the < IMG > and the < TABLE > tag are :

    (a) SRC and HEIGHT

    (b) HEIGHT and WIDTH

    (c) BORDER and SRC

    (d) They do not have any common attributes

(xvi) The _____ tag is used to specify the individual table data in a table.

    (a) < TR >

    (b) < TD >

    (c) < TH >

    (d) < TABLE >