

Subject Code : 34

2 0 1 8

COMPUTER SCIENCE (E)

(Theory)

Full Marks : 80

Pass Marks : 24

Time : 3 hours

The figures in the margin indicate full marks for the questions.

1.1. Choose the correct answer :

1×4=4

(a) A set of rules that computers use to communicate logically is known as

(i) URL

(ii) TCP

(iii) PROTOCOL

(iv) IP

(b) A real-life meeting environment is represented by

(i) VDO

(ii) VTC

(iii) FTP

(iv) BCC

(c) By default, data in a table is displayed in the

(i) design view

(ii) status bar

(iii) toolbar

(iv) datasheet view

(d) Which of the following is not an attribute?

(i) BGCOLOR

(ii) COLOR

(iii) TEXT

(iv) LINK

1.2. Fill in the blanks :

1×3=3

- (a) The letter addressing system is popularly known as the _____.
- (b) The _____ attribute is used to specify the URL or location of the image.
- (c) The MARGINWIDTH attribute sets the top and bottom _____ margins in pixels.

1.3. Write the correct or incorrect statement as asked :

1×3=3

- (a) Which of the following statements is true?
 - (i) To add title to the table, use <title...</title> tag.
 - (ii) To add title to the table, use <caption...</caption> tag.
- (b) Which of the following statements is false in XML?
 - (i) The XML processor need not understand processing instructions.
 - (ii) Plain text files cannot be used to store and share data with XML.
- (c) Which of the following statements is true for virus?
 - (i) It is a program that attaches itself to other programs in order to alter their behaviour, often in a harmful way.
 - (ii) It is a program capable of reproducing and spreading itself to another computer system through network.

2. Give one-word answer :

1×8=8

- (a) It is a method of presenting information in which, when selected, text is highlighted. What is it?
- (b) A set of information stored about a particular entity. What is it called?
- X (c) It performs fixed set of tasks every time when executed. What is it called?
- (d) It is a special word or set of words contained in the tag that specify additional information. What is it?
- X (e) Name the tag, which affects the appearance of the text displayed by the browser.
- (f) This attribute is used to set the URL of the target resource, which is the address of the document to link to. What is the attribute?
- (g) It is a software that reads an XML document, identifies all the XML tags and passes the data to various applications. What is it?
- (h) It refers to any unsolicited, unwanted e-mail. It may carry advertisements or serve as a means of spreading malware such as viruses and worms. What is it?

3. Answer any **twelve** of the following questions :

2×12=24

- (a) What is DBMS?
- (b) What is Quick Access Toolbar?
- (c) State the difference between Number data and Auto Number data.
- (d) State the difference between Web browser and Web site.

(e) What is Favorites?

(f) What is a bookmark?

(g) Why has HTML gained importance?

(h) What is the use of the <body>tag in HTML?

(i) What is definition list?

(j) What is the use of START attribute?

(k) What does <basefont> tag specify? What are the attributes of this tag?

(l) What is called processing instruction line and the root element or the document element in XML code?

(m) What is the use of non-validating XML parser?

(n) Write the requirements that are necessary for an antivirus program to be effective.

(o) How will you protect your backup files?

(p) Differentiate between IT and ICT.

4.1. Answer **either** (A) **or** (B) :

1×5=5

(A) (a) Juhi has made a Web page using HTML. She wants to set the position of the text in the center. Suggest her to use appropriate tag.

- (b) Manju wants to change the color of her Web page. Suggest her to use appropriate tag to perform the task.
 - (c) Naren wants to change the beginning value of the ordered list of his Web page. Suggest him the tag to perform the job.
 - (d) Bana wants to set the font style of his Web page. Suggest him to use appropriate attribute to perform the task.
 - (e) Jaya wants to create a list of items in her HTML Web page. Suggest her to use the tag for this.
- (B) (a) Annu has written the following HTML code for setting the relative size for the text :

```
<font face=4>
```

But she is not getting the result. Identify the error(s) and write the correct code.

- (b) Identify the error(s) in the following code and write the correct code :

```
<hr align=center, width=10%, size=4, color=red>
```

- (c) Raju wants to prepare a definition list and for which he has written the HTML code as follows :

```
<body>key terms dl>
```

```
<dt>EPIGRAPHY
```

```
<dt the study of inscriptions is called  
epigraphy </dt>
```

But he is not getting the result. Identify the error(s) in the above code and write the correct code.

(d) Uma has written the following nested list. But she is not getting the result :

```
<li>coffee</li>
<ul size=circle>
<li>cold coffee>
<li>Hot coffee>
</ul>
```

Identify the error(s) and write correctly.

(e) Roni wants to change the color of the text of his Web page and has written as follows :

```
<font face=green>
```

But he is not getting the result. Identify the error(s) and write the correct code.

4.2. Answer **either** (A) **or** (B) :

1×5=5.

(A) (a) Mona knows that, by default, links open in the current window. But she wants the link to open in another window. Write an HTML code to help her so that she will get the desired result.

(b) Harsha wants to have an image link so that if someone click the image, then he/she is directed to another page. With this view he has written as follows :

```
<a Src="environ.html"><img="env.gif">
```

But he is not getting the result. Identify the error(s) and write the correct code.

(c) Rina has written an HTML code as follows

```
<a=name"book.html">book information</a>
```

so that output would be book information (click it will open book.html) but she is not getting the result. Help her to accomplish the task.



- (d) Runu has written the following code with the view to divide the window on the basis of columns. But she is not getting the result. Help her to solve the problem :

```
<frame cols="40, 50">
```

- (e) Basu wants to set the left and right frame margins in pixels. Suggest him the attribute to be used to accomplish this task.

- (B) Consider the following HTML code :

```
<html>
<body>
<p>using an image as a link : </p>
<a href="hotel.html">
</body>
</html>
```

Write the codes for the following :

- (a) The source of the image is "Asoka.gif" (to be used as a link)
- (b) Set the width and height of the image as 200 and 100 pixels respectively
- (c) The image is aligned right
- (d) The image has no border
- (e) Set the vertical space around the image as 12 and 8 pixels respectively.

5.1. Answer *any four* of the following :

3×4=12

(a) What is modem? Explain how it works.

(b) What is table? Differentiate between Queries and Reports.

(c) Explain the format property.

(d) Identify the error(s) in the following and write the correct one :

```
<html>
<head>
<title>Creating an ordered list
<body>
<center>M. PUBLIC SCHOOL
<hr align="center" width="25" size="5"
color="red">
<li>School Activities</li>
<ol>
<li>Swimming</li><li> Aerobics</li>
<li>Basketball</li>
</body>
</html>
```

(e) Write the uses of the following tags :

(i) <sup>

(ii) <base font>

(iii) <address>

(f) Write the different values which can be given with type attribute.

5.2. Answer *any four* of the following : 4×4=16

✓(a) What is an e-mail program? Define the following features of an e-mail program :

✓(i) Compose

✓(ii) Signature

✓(iii) Spam

(b) What is BLOG?

(c) Write HTML code that will do the following in tag :

(i) The size of the font is the largest

(ii) The color of the text is red

(iii) The name of the font for the text is Arial

(iv) Using <basefont> tag, write HTML code with the combination of (i) and (ii).

✓(d) What is the difference between HTML and XML with respect to data separation, data sharing and document structure?

(e) Draw the XML tree for the code given below :

```
<class X>
  <student>
    <rollno>01</rollno>
    <name>Alisha</name>
  </student>
  <student>
    <rollno>02</rollno>
    <name>Bitisha</name>
  </student>
  <student>
    <rollno>03</rollno>
    <name>Nitisha</name>
  </student>
</class X>
```

(R) What is DATA BACKUP? Why is it required? Write about online backup.
