Roll No. ☐☐☐☐☐☐☐

Candidates must write the Code on the title page of the answer-book.

- Please check that this question paper contains **12** 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 **6** questions.
- **Please write down the Serial Number of the question before attempting it.**
- 15 minute 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-book during this period.

SUMMATIVE ASSESSMENT-II
Foundation of Information Technology

Time allowed : 3 hours   *Maximum marks : 90*

Section-A

1.   Fill in the blanks :   10

   (a)   In XML, _____ can't contain multiple values.

   (b)   XML is subset of _____ .

   (c)   <TD> tag can only be present inside _____ tag.

   (d)   _____ is used to change the colour of a visited link.

[P.T.O.

(e) _____ are used to connect web pages. They are created with <A> tag.

(f) _____ attribute is used to give border to an image.

(g) _____ attribute with <HR> tag is used to specify colour of the line.

(h) _____ is business in online environment.

(i) _____ is a computer program that detects, prevents and takes action to remove malicious software programs.

(j) _____ is a software program that is designed to copy itself from one computer to another.

2. State True or False :

(a) One of the attributes of XML tag is TYPE.

(b) Junk emails are also called spam.

(c) Cracker is a person who break security to see what we have stored on our computers with malintentions.

(d) An XML document must have one root element.

(e) <I> tag displays text in bold.

(f) Cellpadding attribute is used with <BODY> tag.

(g) <Font> tag is one of the structural tag of HTML document.

(h) <Caption> tag gives heading to a web page.

3. Short Answer Questions :

   (a) Write any two storage mediums for data backup.   2

   (b) Write any two ways to avoid SPAMS.   2

   (c) Write the HTML code to display a table with border of 5px.   2

   (d) Write the full forms of :

      (i) ISP   (ii) HTTP   (iii) <DL>   (iv)
     2

   (e) Write the HTML code to display an image on the right side of page.   2

   (f) Name the attributes of <TABLE> tag which are used for specifying its dimensions in a web page.   2

4. Short Answer Questions :

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

```
<Library>
    <Books category  =  "Thriller">
                        <Author>ABC</Author>
                        <Price> 150 </Price>
    </Books>
    <Books category  =  "Fiction">
                        <Author>EFG</Author>
                        <Price> 250 </Price>
    </Books>
</Library>
```

Activities

	Maths Club
Sr School	Robotics Club
	Photography
	Gymnastic
Middle School	Yoga
	Computer Club
	Dance
Primary School	Vocal Music
	Swimming

(c) Answer the following questions :

(i) In a small office network, to protect every computer from hackers, virus or worm, which statement do you think is True or False from the given options :   1

    a.   Set Firewall Turned On

    b.   Install antivirus software

    c.   Allow users to use external disk drives

    d.   Download attachments from reliable source even without scanning

(ii) Mohan has downloaded few attachments in his mail to his system from Internet. When he opened those attachments there were multiple copies of the same file opened. After some time his system got reboot

5

automatically. He is unable to find out why his system is not responding properly? Can you tell what happened to his system and give him some solution ?   2

    (iii)   Name 4 data backup devices/mediums.   2

  (d)   Identify which of the following is a tag or an attribute :   5

     (i)   HR

     (ii)   BR

     (iii)   P

     (iv)   Align

     (v)   Text

5.   Long Answer Questions :

  (a)   Observe the following web page and write HTML code to generate it.   10

CLEAN ENVIRONMENT

Pollution refers to the introduction of harmful pollutants into the environment.

The major types of environmental pollution are air pollution, water pollution, noise pollution, thermal pollution, soil pollution and light pollution.

With the dawn of the age of science and technology, there has been huge growth and development of human potentials.

And, it is here that man first began losing control and became prisoner of his own creations.

Factors affecting the environment

1. Industrial activities
2. Vehicles
3. Rapid urbanization and industrialization
4. Population overgrowth

Effects

Water Pollution is leading to a number of incurable diseases
Because of Air Pollution there are increasing cases of pulmonary tuberculosis and thrombosis and various sorts of brain and heart complications
Digital Media
Soil Pollution may have negative effect on farm output rate
Noise Pollution has negative affects on hearing or auditory sense organs
Thermal Pollution is raising the environmental temperature

For more details click here

Title of page is "Environment"

* Link colour is green

* Font style for the page is arial

* Heading of the page is maroon

* Image used is environment.jpg

* Table border is 2px and border colour is red

* Link for bottom message is contact.HTML

(b) (i) Write two points of difference in HTML and XML. 2

(ii) Write three points of well formed XML document. 3

(iii) Write the code to create an XML document to present following data : 5

Furniture	Material	Quantity	Floor
Table	Wood	75	Ist
Chair	Plastic	85	IInd

6. Multiple Choice Questions (Choose most appropriate option) :   18

    (i)   Which one of the following is not an option for aligning data
            in a table

            (a)   justify

            (b)   right

            (c)   left

            (d)   center

    (ii)   With which code you can make an image work as a link

            (a)   <A href = "URL"> Text </A>

            (b)   <A href = ABC.html><img src = graphic.gif>Click Here </A>

            (c)   <A ref = mailto :< img src = graphic.gif>Click Here</A>

            (d)   None of above

    (iii)   XML uses

            (a)   Only 5 tags

            (b)   Predefined tags

            (c)   Custom tags

            (d)   HTML tags

(iv) In XML value of attribute must appear

    (a) In uppercase

    (b) In brackets

    (c) In quotes

    (d) In lowercase

(v) Valid XML document means

    (a) The document has root element

    (b) The document contains at least one or more root element

    (c) The XML document has DTD associated with it and it complies with that DTD

    (d) Each element must nest inside any enclosing element properly

(vi) Alt attribute allows

    (a) Addition of an alternative hyperlink

    (b) Addition of a border to image

    (c) Use of an alternative image in place of the specified image

    (d) Addition of alternative text about an image

(vii) What does DTD stands for

    (a) Dynamic Type Definition

    (b) Dynamic Type Declaration

    (c) Document Type Declaration

    (d) Document Type Definition

(viii) The <HR> tag inserts .... on a web page

    (a) A straight line

    (b) A circle

    (c) A border

    (d) None of these

(ix) Choose correct HTML tag for the largest heading

    (a) <H1>

    (b) <H6>

    (c) <Big heading>

    (d) <H size = 1>

(x) Which one of the following is not a malware

    (a) Computer Virus

    (b) SPAM

    (c) WORM

    (d) Application Software

(xi) Which one of the following is not a way to get a computer virus

    (a)   Through email attachments

    (b)   Through pen drive

    (c)   By typing on keyboard

    (d)   By downloading files

(xii) One limitation of antivirus program is that they

    (a)   Sometimes start behaving like virus

    (b)   Are very expensive

    (c)   Harm the computer

    (d)   Can detect only those viruses for which they are programmed

(xiii) Firewall

    (a)   Amplifies weak outgoing signals to stronger ones

    (b)   Is the name of an open source browser

    (c)   Is the name of computer virus

    (d)   Prevents intruders from accessing your system

(a)   Bgcolor

(b)   Color

(c)   Text

(d)   Topmargin

(xv)   To display "bullets" against list items we use

(a)   <OL>

(b)   <UL>

(c)   Both of them

(d)   None of them

(xvi)   Which of these tags belong to <table> tag

(a)   <thead> <body> <tr>

(b)   <table> <head> <tfoot>

(c)   <table> <tr> <td>

(d)   <table> <tr> <tt>

(a)   Extra Markup Language

(b)   Extensible Markup Language

(c)   Example Markup Language

(d)   None of the above

(xviii) Comment in XML can be given by

(a)   <?-->

(b)   <!-->

(c)   <?!---->

(d)   <!?---->