Sample Question Paper

Foundation of Information Technology

Class: X

Session 2016-17

Max Time: 3 hours   **Max Marks: 70**

SECTION A

Q1)   **Fill in the blanks:**   **[5]**

i)   Viruses, worms and trojans are collectively named _____.

ii)   Cellspacing attribute is used with _____ tag.

iii) _____ is a program which makes you view the information on the World Wide Web.

iv) Collection of Web Pages is called _____.

v)   Columns of a table are specified using _____tag.

vi) _____ can replicate itself automatically .

vii) _____ attribute is used with <A> tag to specify the URL of link.

viii)   _____ is type of program that is installed on a user's computer to collect information about user.

ix) XML attribute value should always be enclosed in _____ .

x)   _____is a program that appears harmless but actually performs malicious functions.

Q2)   **State True or False:**   **[5]**

i)   The World Wide Web Consortium was founded to develop common standards.

ii)   An XML document can have any number of child elements.

iii) No value is specified with border attribute of <img> tag.

iv) COLSPAN attribute of <TD> tag is used to merge more than one column of table.

v)   Unsolicited bulk emails are called spam.

vi) Malware is Antivirus software.

vii) Because each computer differs in terms of what fonts it can display, each individual browser determines how text is to be displayed.

viii) Xml is Extended MarkupLanguage

ix) Software piracy is crime.

x)   A cracker is a malicious programmer who break into secure systems.

Q3)   **Short Answer Questions –**

i.   What does an anti-virus software do?   [2]

ii. What is full form of HTTP and what is its use? [2]

iii. Write the HTML code to display links of a web page in yellow colour. [2]

iv. Write the full forms of: [2]

i) URL   ii) <LI>   iii) <TD>   iv) HTML

v. As life gets busier, it becomes difficult for everyone to keep a track with school & college friends, old colleagues, old neighbours and favourite teachers. It is important to keep in touch with all your near and dear ones. At times, people sitting miles away doing similar kind of activity or solving similar kind of problems can help you to achieve goals faster by sharing their experiences. Similarly people belonging to different socio-economic background can change your perspective and can enhance your understanding of various cultures. [2]

    a. Suggest two real time tools that are suitable for the above-mentioned activities.

    b. What is the generic name used for such tools?

vi. Laleema Chakradhar wants a broadband connection for accessing her mails and staying informed about the latest happenings in the field of Biotechnology. Can you suggest two Internet Service Providers of India to be approached for the same? [2]

Q4) Short Answer Questions –

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

```
<employees>
<employee>
        <name>
                <first>Harry</first>
                <last>Potter</last>
        </name>
</employee>
<employee>
        <name>
                <first>Linda</first>
                <last>Ray</last>
        </name>
</employee>
```

</employees>

ii. Observe the following table and write the HTML code to generate it : [5]

Time Table					
	Mon	Tue	Wed	Thu	Fri
	Science	Maths	Science	Maths	Arts
	Social	History	English	Social	Sports
Hours	Lunch				
	Science	Maths	Science	Maths	Project
	Social	History	English	Social	

iii. What is the meaning of backup and why the data backup is essential? Also name 4 devices to take data backup. [5]

iv. Write any two attributes for each tag: [3]

a) <img>
b) <Table>
c) <A>

v. Sharvan Joshi is a student of Political Science and is a keen researcher of Political issues related to various countries and states. He wants to share his research and his own opinion on these issues on day -to-day basis with everyone on the World Wide Web. He is also interested in collecting views of others to enhance his research and knowledge related to his area of interest. He belongs to a middle class family and can't afford his own website. Also being a non-technical person he can't create a dynamic website to deal with day-to-day inputs. [2]

a) Suggest an easy way for Shravan to achieve the same.
b) Also name any two popular websites providing free services that can help Shravan in this regard.

Q5) Long Answer Questions –

Observe the following web page and write HTML code to generate it. [10]

INDIAN ELEPHANT

The Indian elephant (Elephas maximus indicus) is one of three recognised subspecies of the Asian elephant and native to mainland Asia. Since 1986, Elephas maximus has been listed as Endangered by IUCN as the population has declined by at least 50% over the last three generations, estimated to be 60–75 years. Asian elephants are threatened by habitat loss, degradation and fragmentation".

See Also :

- Sri Lankan Elephant
- sumatran Elephant
- Borneo Elephant
- African elephant

Threats To Elephants

1	Illegal Hunting
2	Industrialisation
3	Habitat Loss
4	Fragmentation
5	Disease

For further enquiries and reservations Contact Us

Note the following points while generating the Webpage:

- Link colour is black, background colour is yellow and visited link colour is green
- Title of the page is "wild life in India"
- Heading of the page is maroon
- Image used is "elephant.png"
- Caption of table is blue
- Table border is blue and of size 2
- The 4 links are one.html, two.html, three.html and four.html
- The email id for contact us is abc@xyz.com

SECTION B

Q6)   Multiple Choice Questions (Choose most appropriate option):   [18]

i.   What does URL stand for?
                    a) United Route Line
                    b) Uniform Resource Locator
                    c) Unknown Redirection Link

d) Upload Redirection Link

ii. XML uses
 a) Only 6 tags
 b) Predefined tags
 c) Custom tags
 d) HTML tags

iii. Copy of data created for safe storage is
 a) Saved copy
 b) Backup
 c) Dcopy
 d) Stored copy

iv. XML uses the features of
 a) SGML
 b) HTML
 c) XHTML
 d) DHTML

v. Which of the following is not the source of virus?
 a) Email attachments
 b) Pen drives
 c) Typing through key board
 d) Downloading files

vi. Which of them is correct XML tag
 a) <first name>
 b) <6class>
 c) <name>
 d) All of the above

vii. A good way to safeguard access to your computer is to _____ protect it.
 a) A deadbolt
 b) Copyright
 c) Safemode
 d) Password

viii. Which one of these is correct processing instruction (PI) of a XML document?
 a) <?xml version = "1.0"?>
 b) <?xml version = "1.0">
 c) </xml version = "1.0">
 d) <xml version = "1.0"?>

ix. Which statement is true?
 a) All XML elements must have a closing tag.
 b) All XML elements must be in lower case.
 c) All XML document must have a DTD.
 d) All of the above

x. Out of the following, which one will be altered or modified by a computer virus?
   a) Operating System
   b) Speed of Network Connectivity
   c) Application Software
   d) All of the above

xi. Google (www.google.com) is a
   a) Search Engine
   b) Number in Math
   c) Chat service on the web
   d) Directory of images

xii. Border, cellspacing, cellpadding, align are the attributes of
   a) <body>
   b) <img>
   c) <table>
   d) None of these

xiii. Mozilla Firebox is a
   a) Web Browser
   b) News Website
   c) Graphing Package
   d) Word Processor

xiv. Which of these are all table tags?
   a) <thead>, <body>, <tr>
   b) <table>, <tr>, <td>
   c) <table>, <head>, <title>
   d) <table>, <tr>, <tt>

xv. Valid XML document means
   a) The document has one root element
   b) The document contains one or more root element
   c) The document has a DTD and complies to it
   d) Each element must be in capital letter

xvi. When creating a Web document, what format is used to express an image's height and width?

   a) Centimeters
   b) Pixels
   c) Dots per inch
   d) Inches

xvii. What can you do with the Internet?
   a) Exchange information with friends and colleagues
   b) Access pictures, sounds, video clips and other media elements
   c) Find diverse perspective on issues from a global audience

d) All of the above

xviii. Which command we use to link a page with an HTML page?
- a) link text
- b) link text
- c) link text
- d) link text