

Summative Assessment-I
FOUNDATION OF INFORMATION TECHNOLOGY

Class – X

Time allowed : 3 Hours

Max. Marks : 90

SECTION – A

1. Fill in the blanks: **[10]**

- 1.1 Web sites are located on _____
- 1.2 A _____ is used to browse the web.
- 1.3 When you visit a web-site, the first page that opens is called _____ of the site.
- 1.4 192.168.1.41 is an example of an _____.
- 1.5 A _____ is an organised collection of data.
- 1.6 A database consists of one or more _____ which store the data.
- 1.7 _____ is the smallest part of a table in which data item can be kept.
- 1.8 An HTML tag may also contain one or more _____.
- 1.9 tag is an _____ element.
- 1.10 _____ tag is used to give common font and size to the whole web page text.

2. State true or false: **[10]**

- 2.1 Internet is a service available on WWW.
- 2.2 HTTP is a protocol.
- 2.3 ARPANet was set up by NASA.
- 2.4 When data is downloaded from the net, data is transferred from the user's computer to the web server.
- 2.5 Using a web browser we can only view but cannot create web pages.
- 2.6 **Cc** component of an email message has the same role as the **bcc** component.

- 2.7 Data may be entered in a table using forms.
- 2.8 A table in a database may have multiple primary keys.
- 2.9 A database can have only one table.
- 2.10 All HTML tags are container elements.

3. Read the following paragraph and answer the questions that follow: [10]

XYZ Chemicals Ltd. has advertised for some vacancies in its office. Eligible candidates have to apply online for these posts. After the last date for receiving the applications, the company shortlists some candidates and informs them through email. The candidates have to appear at company's office for an online test and interview through video conferencing on a specified date. After video conferencing the selected candidates are again informed through email.

- 1. How are the following features/services beneficial for the applicants and the company:
 - a. Inviting applications online (8)
 - b. Informing the candidates through email.
 - c. Conducting online test
 - d. Holding the interview through video conferencing.

- 2. How is it possible for the candidates to send the following through email:
 - a. Bio-data which they have created using a word-processor.
 - b. Photograph which they have scanned and saved as a .jpg file. (2)

4. Following are the six network and communication related abbreviations. Give their expanded form with a single line definition of each of them : [10]

- a. HTTP
- b. SMTP
- c. FTP
- d. DSL
- e. ISP
- f. MODEM

5. Answer the following questions:

[2x8]

- 5.1 Mr. Gupta has an internet connection on his computer from Reliance Company. The company has attached a special device to the telephone line so that the computer signals can be transmitted to the Web server via the telephone line.
- What technical name is given to a company that provides internet connection?
 - Name the device that is attached to the telephone line for data transmission.
- 5.2 As life gets busier, it becomes difficult for everyone to keep track with school and 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 problem can help you achieve goals faster by sharing their experiences. Similarly, people belonging to different socio-economic background can change your perspective and enhance your understanding of various cultures.
- Suggest the real time tools that are suitable for the above mentioned activities.
 - What is the generic name used for such tools?
- 5.3 Gauri, a student of Political Science, is keen to do research on political issues related to various countries and states. She wants to share her research and her own opinion on these issues on day-to-day basis with everyone on World Wide Web. She is also interested in collecting views of others to enhance her research and knowledge related to her area of interest. She belongs to a poor family and cannot afford her own website. Also being a non-technical person she cannot create a dynamic website to deal with day-to-day inputs.
- Suggest an easy way for Gauri to achieve the same.
 - Name two popularly used free services that can help Gauri in this regard.
- 5.4 ABC Corporation is planning to provide Web services to its clients. It has opened a new office where they want 24 hours internet connection and for which they don't have to dial up to connect. Also, it should not use telephone line. Suggest the type of internet connection for their new office.
- 5.5 Identify domain name(s) and URL(s) from the following list:
- www.niitindia.org
 - DoYogaEveryday.com
 - yoga@yoga.com
 - www.ugcchennai.uni
 - 200.168.0.1
 - http://cbse.nic.in

5.6 Differentiate between
 tag and <HR> tag of HTML.

5.7 Mr. Bharati is the CEO of TalkOnAir Ltd. The TalkOnAir has offices in Delhi, Bangalore, Chennai, Mumbai and Kolkata. In order to communicate in time, Mr. Bharati has decided to use Video conferencing.

- a. What is video conferencing? What are the equipments needed to use video conferencing?

5.8 Identify the errors and write the corrected HTML statements:

- a. < FONT colour = "Red" >
- b. <OL type= "a" start="d" >

6. Do as directed:

[12]

6.1 Ms. Poonam is the class teacher of III-C in a school. She is computer savvy and wants to keep information about her students in a database. She needs this information for the following purposes:

(6)

- She has to contact the parents frequently through phone calls or email.
- She has to keep comments about the students. These comments help her during PTMs.

Suggest any six fields and their data types to keep the relevant information.

6.2 Look at the following fields which are used to keep voters' ID card data in a table:

CardNo, VoterName, Address, FatherName, DOB

- a. Suggest the data type for each of these columns.
- b. Suggest the column name(s) which can be used as its primary key.

(5)

(1)

7. The management of a medical store, GetWellSoon Medicos, decides to computerise its inventory.

[6]

- a. Suggest any two tables which must be present in the database. You also have to suggest fields of the tables along with their data-types.
- b. Mention any two benefits that the management will have by computerising the inventory.

SECTION B

8. Multiple Choice Questions (Choose the most appropriate option)

[1x16]

8.1 Employee payroll management is an example of:

- a. Business computing
- b. Web site management
- c. Both (a) and (b)
- d. Neither of (a) and (b)

8.2 Which of the following services is not provided by an Internet Service Provider (ISP):

- a. An internet connection
- b. Web Browser
- c. Modem
- d. Technical Help

8.3 In the <HR> tag, HR stands for:

- a. Horizontal Row
- b. Horizontal Rule
- c. Horizontal Record
- d. None of the above

8.4 Each computer on a network has a _____ IP address:

- a. common
- b. null
- c. unique
- d. backup

8.5 A bot is used by

- a. A web site
- b. A web Browser
- c. A web Page
- d. A search engine

8.6 A modem converts

- a. Analog information into digital
- b. Digital information into analog
- c. neither of the above
- d. both a and b.

8.7 In a web page, a table is created using:

- a. <Create Table> tag
- b. <TR> tag.
- c. <Table> tag
- d. <TD> tag

8.8 A domain name ending with .edu belongs to:

- a. An educational institution
- b. A commercial unit
- c. A defence institution
- d. An NGO

8.9 Which of the following is not an attribute of <BODY> tag:

- a. COLOR
- b. BGCOLOR
- c. BACKGROUND
- d. ALINK

8.10 Which of the following is not an attribute of tag:

- a. COLOR
- b. BGCOLOR
- c. SIZE
- d. FACE

8.11 is used to create items of an:

- a. Ordered list
- b. Unordered list

- c. Neither of (a) and (b)
- d. Both (a) and (b)

8.12 An ordered list:

- a. Can be nested in an unordered list
- b. Can be nested in another ordered list
- c. Starts with <LIST> tag
- d. Ends with tag

8.13 Out of the following which is the most appropriate data field in context of employee table if only one of them is required:

- a. Age in years
- b. Date of Birth
- c. Age in Days
- d. Age in months

8.14 What is the most suitable data type for a telephone number field in a table:

- a. text
- b. number
- c. memo
- d. date

8.15 A table in a database:

- a. Must have a primary key
- b. May have a primary key
- c. Has multiple primary keys
- d. May have multiple primary keys

8.16 Which of the following is not true for a database table:

- a. It may contain multiple records
- b. It may contain multiple tables
- c. It may contain multiple columns
- d. It may contain multiple candidate keys.