

**. Check the Right Answer****(1\*18)**

1. Which agency laid the foundation for the beginning of Internet?  
a. NSFNET   b. ARPANET   c. W3C   d. IAB
2. Which part of TCP / IP is responsible for sending the packets to the address of destination computer?  
a. IP   b. TCP   c. Both   d. None of these
3. Which is the communication protocol for the internet?  
a. FTP   b. HTTP   c. HTML   d. TCP / IP
4. Name the protocol used for www.  
a. HTTP   b. FTP   c. W3C   d. None of these
5. What is the full form of ISP?  
a. Internet Server Provider   b. Internet Service Protocol   c. Internet Service Provider   d. None of these
6. Which of the following is not an ISP in India?  
a. BSNL   b. Airtel   c. VSNL   d. Infosys
7. Which particular body governs the Internet?  
a. IAB   b. IETF   c. IRTF   d. None of these
8. Which governing body of the Internet acts as the central coordinator for the assignment of unique parameter values for Internet protocols?  
a. IAB   b. IANA   c. IETF   d. None of these
9. Which voluntary group is concerned with the evolution of Internet Architecture and the smooth operation of the Internet and is open to any interested individual?  
a. IETF   b. IANA   c. IAB   d. None of these
10. Which group passes judgments on appeals when someone complains that the IESG has failed?  
a. IETF   b. IANA   c. IAB   d. None of these

11. Which international community develops standards to ensure the long-term growth of the www?  
a. IETF b. W3C c. IAB d. IANA
12. Which term refers to the Bandwidth of the internet connection?  
a. Broadband b. ISP c. Protocol d. ARPANET
13. Which device connects two or more dissimilar devices?  
a. Modem b. Backbone c. Gateway d. All of these
14. Which technology converts electrical signals into light signals for connecting to Internet?  
a. Dial-Up Connection b. Digital Subscriber Line c. Cable d. Fibre Optic Cable
15. Name the network that uses radio waves to send the information received by the transmitter via the broadband connection.  
a. Wi -Fi b. WiMax c. Satellite d. DSL
16. In which type of internet access is the connectivity provided through microwave link between the tower and the end user?  
a. Wi -Fi b. Satellite c. WiMax d. DSL
17. Which web browser does not have a graphical user interface?  
a. Chrome b. Mac Safari c. Opera d. Lynx
18. Which of the following is not the component of URL?  
a. Scheme b. Host c. Path d. IP address

**B. Application Based the following**

**(1\*11)**

1. Kunal wants to have an internet connection in his home. Apart from a computer, which other hardware device will he need?
2. Sushma ma'am asked her class to name the communication protocol suite used by Internet.
3. In the URL, <http://www.flipkart.com/cameras/canon/itmczc>, which component identifies the a) website b) type of Protocol
4. In the URL, <http://passport.gov.in>, what does .in stand for?
5. Rajat owns a computer and wants to access the Internet. Suggest him a good web browser to do the same.

6. In the URL, <http://www.discoveryadventures.com/trips/classic-costa-rica/CRCRD/2011/> , what is i) http component? ii) www.discoveryadventures component? iii) .com component? iv) trips/classic-costa-rica/CRCRD/2011/ component?
7. Anushka wants to create a website without using any ready made software. Which language will you recommend her for the same?
8. Suraj has an internet connection but does not know how to view the websites. Kindly advise him the software that he should use.
9. It takes Prachi a lot of time to connect to the Internet through dial-up connection. Which mode of connection will you recommend to Prachi?
10. Shriya wants a broadband connection for accessing her mails and staying informed about the latest happenings in the field of medicine. Can you suggest her any two Internet Service Providers of India to be approached for the same?
11. Ishaan is confused between the terms web page and home page and tomorrow he has his computer exam. As a friend help him in understanding the above concepts.

**C. Answer the following**

**(2\*8)**

1. Explain the domain name extensions - .com, .gov, .net, .edu.
2. Expand the terms HTML, URL, TCP / IP, www
3. Explain the term HTTP. Why is it required?
4. What is an ISP? Name two ISPs.
5. Explain the role of ARPANET in the development of Internet.
6. What is the role of IETF in Internet? Give its full form.
7. Name any four ISPs in India.
8. Give the names of any five web browsers available in the world.

**D. Answer The Following**

**(3\*10)**

1. How does the Internet work from the point of view of a network?
2. Explain any two major services offered by Internet.
3. Differentiate between a website and a web portal.
4. Discuss any two features of the www.
5. Discuss any one technique to connect to the Internet using the wireless broadband.
6. What do the terms web browser and web server mean?
7. Explain any four advantages of Internet.
8. Briefly explain the history of Internet.
9. Discuss the volunteer bodies that govern the Internet.
10. Write short notes on: i) Microsoft Internet Explorer ii) Google Chrome

**A. Check the Right Answer**

**(1\*5)**

1. Which operator narrows down your search results by displaying only those results which have all the keywords requested by you?  
a. AND   b. OR   c. NOT   d. NULL
2. Which protocol is used for a reliable and fool-proof data transmission over the network?  
a. FTP   b. IP   c. TCP   d. HTTP
3. Which protocol is used to send messages from a mail client to a mail server?  
a. FTP   b. IP   c. SMTP   d. IMAP
4. Which term is used to describe a wide range of applications and processes designed to deliver instructions through electronic means?  
a. E-shopping   b. E-commerce   c. E-learning   d. E-reservation
5. Which program runs on your computer and connects you to a news server on the Internet?  
a. Newsreader   b. Spider   c. Newsgroup   d. E-mail

**B. Application Based the following**

**(1\*5)**

1. Amit has to prepare a presentation on 'Global Warming'. He wants to find information on this topic from the Internet. Which internet service will help him to find the relevant data? Give an example for the same.
2. Computer teacher has asked Shruti to send an e-mail. She has also mentioned that Shruti should first identify the protocol which is being used for sending e-mails and explain it in the mail. Help her to complete this assignment.
3. Raman wants to install VLC media player on his PC. He has found the link where the setup is available. However, he has forgotten

which process will be used to save it on his PC. Help him to identify the process.

4. Mr. Verma wants to conduct a corporate meeting between all the branches of his company, across the globe. He wants to have a face to face conversation with all the Regional Managers. Which internet service should he use for this virtual meeting?
5. Simran has a hobby of writing poems. She wants to share her poems with the world. What kind of website should she create to make her poems public and share her thoughts with everyone?

**C. Answer the following**

**(2\*6)**

1. What do you understand by the term Webcrawler?
2. What is an AND operator and how does it help in the search process? Explain with the help of an example.
3. What are protocols? Name any one protocol used on Internet.
4. Distinguish between downloading and uploading files.
5. Why is e-mail so popular over conventional mail?
6. What is the function of Chat?

**D. Answer The Following**

**(3\*6)**

1. Explain the terms (i) HTTP (ii) FTP
2. Define the terms Blog, Blogging and Blogger.
3. What is a search engine? Give two examples.
4. What is the difference between IMAP and POP?
5. List out the advantages of video conferencing.
6. What is E-shopping? Give two examples of online shopping websites.

**A. Answer the following****(1\*7)**

1. Name the Database Management System from MS Office suite.
2. What do we call an organized collection of information that can easily be accessed, managed and updated?
3. Which process arranges the data in a proper sequence?
4. Name the term which is used to get the synopsis of data on the basis of some criteria.
5. Name the term which is caused in a database due to duplication of data which in turn gives rise to data inconsistency.
6. Which feature in DBMS allows multiple transactions to access and modify shared data at the same time, without violating the data integrity?
7. What is the extension of the Database file in MS Office Access?

**B. Answer the following****(2\*4)**

1. What is a Database? Give two examples.
2. Define Concurrency Control.
3. Describe the feature of Backup and Recovery Management.
4. Define Tables. List the different elements of a Table.

**C. Answer The Following****(3\*5)**

1. What do you understand by a Database Management System? Explain how it is helpful in Data Retrieval.
2. What is the difference between Data Storing and Data Sorting?
3. Differentiate between Flat File Database and Relational Database. Give examples for both.
4. What do you understand by a relational database? Give example.
5. List the features of RDBMS.

A. Answer the following

(2\*8)

Explain the Datasheet View and Design View.

1. Write the steps to move a column.
2. What do you understand by Data Validation? What is the role of Field Properties in this process?
3. What do you understand by Index property?
4. What do you mean by Default value? Explain with the help of an example.
5. Explain the process to remove a Primary key.
6. What do you understand by Sorting? How can you sort data in Access?
7. How will you rename a field?

B. Answer The Following

(3\*9)

1. Explain the steps to Filter data in a Datasheet.
2. What are Data Types? Explain any two of them.
3. Describe the term Advanced Filter
4. Write the steps to change the view of your table.
5. What is the difference between Freezing and Hiding columns?
6. How is Sorting data different from Filtering data?
7. Write the steps to insert and delete a row in Design View.
8. Explain the use of each icon present on the Record Navigation toolbar.



9. Write short notes on the following:

- a) Validation Text
- b) Input Mask
- c) Caption Property
- d) Field Property

**C. Application Based the following (1\*2)**

1. AmExcorporation is designing a database for all its employees. The designers want to store the passport number of each employee linked to their respective names. Can you suggest which Data Type should they use?
2. Class X is going for a picnic to Jaipur. The class teacher has asked you to prepare a database with the following fields for storing the students' information: Student Name, Admission Number, Section and Teacher Incharge (i) Select a Primary key for the table. (ii) Ensure that the field of Admission Number should not be left blank.

**D. Check the Right Answer(1\*5)**

Which key is pressed to insert a new field in a table?

- a. Ctrl+V
- b. Ctrl+Shift
- c. Ctrl+Enter

Which key is pressed to save the database?

- a. Ctrl+S
- b. Ctrl+V
- c. Ctrl+C

How many default Column headers are present for tables in Design View?

- a. One
- b. Two
- c. Three

4. Which Data Type has the largest storage capacity?

- a. Text
- b. Memo
- c. Hyperlink

5. Which property is used to add Tag into a field?

- a. Smart tag
- b. Validation Text
- c. Validation Rule

**A. Check the Right Answer**

**(1\*5)**

1. Which Query is used to retrieve data from one or more tables and display the record set in a datasheet ?  
a. Select b. Update c. Cross
2. Which option creates Simple Select query?  
a. Select b. Create c. Wizard
3. What does the top section of a query window display?  
a. Design Grid b. Table c. Both
4. Which key defines a relationship between two tables?  
a. Foreign key b. Primary key c. Secondary key
5. How many sections are there in a query window?  
a. Two b. Three c. Four

**B. Answer the following**

**(2\*6)**

1. What do you understand by Cross tab query?
2. What is the use of Parameter query? Explain with the help of example.
3. Name the type of queries available in Access.
4. What is use of Criteria and Sort property?
5. What is the use of Action query?
6. Name the available views to see the query window.

**C. Answer The Following**

**(3\*6)**

1. What is a query?
2. Explain the two panes of a query window.
3. How does the Query Design tool give more control over the Query Wizard?
4. What does Design Grid contain?
5. Differentiate between Foreign key and Primary key.
6. Name the available Queries in MS Access 2007.

**A. Check the Right Answer****(1\*8)**

1. In which section of an HTML document do you enter the document title?  
a. Head   b. Body   c. Table   d. None Of these
2. Which sequence of HTML tags is correct?  
a. <HTML> <HEAD> </HEAD> <TITLE> </TITLE> <BODY> </BODY> </HTML>   b. <HTML> <HEAD> </HEAD> <BODY> </BODY> </HTML>   c. <HTML> <HEAD> <TITLE> </TITLE> </HEAD> <BODY> </BODY> </HTML>   d. None of the above
3. Which special property is used inside an HTML tag that contains additional information about that specific tag?  
a. Tag   b. Element   c. Attribute   d. None of these
4. Which out of these is not a web browser?  
a. Google Chrome   b. Internet Explorer   c. Yahoo   d. Apple Safari
5. Which of the following statement is incorrect about HTML?  
a. An HTML document is written in text editors like WordPad and Notepad.   b. HTML is case sensitive.   c. A tag giving a specific instruction is enclosed in < > angle brackets.   d. The title of a webpage can contain up to 64 characters.
6. Which of the following tag is used to set the heading levels in an HTML document?  
a. <Head>   b. <HR>   c. <H5>   d. None of these
7. Which tag is used to insert a horizontal line in a web page?  
a. <HL>   b. <HR>   c. <BR>   d. None of these
8. Which of the following tag is used to make text appear slightly above the baseline?  
a. <SUB>   b. <BIG>   c. <B>   d. <SUP>

## **B. Application Based the following**

**(1\*8)**

1. Anoop Singh is a wholesale producer of modular kitchen appliances. He wants to create an online catalogue and market his products. Anoop also wants to display his products and their pricing. He does not know which language he should use to create the website. Can you help him with your suggestion?
2. Shiv is doing a school based HTML project. His HTML file is getting saved as a text document; therefore he cannot view his project through the browser. What do you think is the error?
3. Find the errors in the following lines of HTML code and write the correct code. `<HTML> <HEAD> <TITLE> SECOND PAGE </HEAD> </TITLE> </HTML>`
4. Find the errors in the following lines of HTML code and write the correct code. `<HTML> <TITLE> HABITS <TITLE> <HEAD> </HEAD> <BODY> <FONT = "LUCIDA HANDWRITING"> <P ALIGN = CENTER> <B> <U> THOUGHT FOR THE DAY HUMAN FAULTS ARE LIKE GARDEN WEEDS. THEY GROW WITHOUT CULTIVATION AND SOON TAKE OVER THE PLACE IF THEY AREN'T THINNED OUT. </FONT> </BODY> </HTML>`
5. Shruti wants to set the text color, size and style for the entire HTML document. Which tag should Shruti use to complete this task?
6. Himanshu wants to know the RGB values of black and white for using it in his science project on 'WASTE MANAGEMENT'. Can you tell the values to him so that he can create his project?
7. Mihir wants to know the name of any two text editors that can be used to write the code for an HTML webpage. Can you provide him with the names?
8. Seema has been asked to create a web page on her school. It is also mentioned that she has to use the typewriter font in the web page. Which tag can help her show this font?

## **C. Answer the following**

**(2\*10)**

1. Write the syntax which explains the general structure of an HTML document.
2. What does `<BODY>` tag in HTML contain?
3. Differentiate between Container and Empty elements.

4. What is the purpose of using the tags <H1> ... <H6>?
5. What are comments and how do you give them in HTML?
6. Define the <BODY> tag in HTML.
7. Define the term Hyperlink.
8. How many heading levels can be defined in HTML?
9. Write two examples of container and empty elements.
10. Write a code to display your name, school, class and roll number in bold, italic and underlined.

#### **D. Answer The Following**

**(3\*8)**

1. Write a short note on any one web browser.
2. What is the difference between a <BASEFONT> and <FONT> tags?
3. Explain the term ALINK and VLINK.
4. What is the difference between BGCOLOR and BACKGROUND attributes of the <BODY> tag?
5. What is the difference between <B> and <BR> tag?
6. How can we display <, > and & symbols on a web page?
7. Find the errors in the following lines of HTML code and correct them. <HTML> <HEAD> <TITLE> Title of the web page <TITLE> </HEAD> <BODY COLOR = LIGHT GREEN> <CENTRE> MORAL VALUES </CENTRE> <H1 ALIGN = RIGHT> HONESTY AND INTEGRITY</H1> <BR> <FONT COLOR = RED; SIZE = 6 STYLE = COMIC SANS MS> <P ALIGN = JUSTIFIED> Honesty and Integrity means to firmly adhere to a code of moral and ethical principles. Every person must possess high personal moral standards and be honest in word and deed. Living and speaking with honesty and integrity is very hard. You must live by your word for everything, no buts and excuses. Having integrity and being honest in everything you say and do build trust. <P> </BODY> <HTML>
8. Find the errors in the following lines of HTML code and correct them. <HTML> <HEAD> <TITLE> DIWALI </TITLE> <BODY BACKGROUND = diwali.bmp left margin = 15%> <HR = COLOR BLUE> <P = CENTRE> WISHING YOU AND YOUR FAMILY A VERY HAPPY DIWALI </P> <BODY> </HTML>

**A. Check the Right Answer****(1\*6)**

1. Which element is used in HTML to display items in a specific order?  
a. Empty   b. List   c. Container   d. None of these
2. Which tag is used to insert an image in a web page?  
a. <SRC>   b. <IM>   c. <IMG>   d. None of these
3. Which value is not used with the ALIGN attribute of the <IMG> tag?  
a. LEFT   b. RIGHT   c. CENTER   d. BOTTOM
4. Which attribute of the <IMG> tag allows you to display a text instead of an image?  
a. ALT   b. IMAGE   c. ALTERNATE   d. BORDER
5. Which attribute of the <IMG> tag is used to apply space around the top and bottom of an image?  
a. HSPACE   b. TSPACE   c. VSPACE   d. BSPACE
6. Which of the following will create an uppercase Roman numeral list starting at(II)?  
a. <OL START = " 2" TYPE = " I">   b. <OL START = "2" TYPE = "II">   c. <OL START = "I " TYPE = "II">   d. <OL START = "2" TYPE = "1">

**B. Application Based the following****(1\*9)**

1. Preeti has to insert her photo on her home page with the following dimensions: border 3, width 250, height 400. The name of the image should be My photo. Preeti is confused about the coding so kindly help her.
2. If a browser does not support images, then which attribute should we set with the images?
3. Find the errors in the following HTML code and write the correct code. <HTML> </HEAD> </TITLE> VALUES <TITLE> <HEAD> <BODY> <UL TYPE = "A"> <L> HONESTY <L> COURTESY <L> HUMILITY <UL> </BODY> </HTML>

4. Find the errors in the following HTML code and write the correct code. <HTML> <HEAD> </TITLE> ROAD RULES </TITLE> <HEAD> <BODY> ROAD SAFETY RULES <UL TYPE = SQUARE> <L> Look on both the sides of the road while crossing. <L> Walk on the left side of the road. <L> Cross the road at the Zebra crossing. <UL> <IMG SOURCE = traffic.gif> <BODY> </HTML>
5. Write the output of the following HTML code. <HTML> <HEAD> <TITLE> FAVORITE THINGS </TITLE> </HEAD> <BODY> <OL> <LI> My favorite Movies <UL type = "DISC"> <LI> Titanic <LI> Sound of Music <LI> Tare Zameen Par </UL> <LI> My Favorite Quotes <UL Type = "SQUARE"> <LI> Do unto others what you want others to do unto you. <LI> Success is 1% inspiration and 99% perspiration. <LI> FAILURE IS NOT A DISGRACE IF YOU HAVE SINCERELY DONE YOUR BEST. </UL> </OL> </BODY> </HTML>
6. Find the errors in the following HTML code and write the correct code. <HTML> <HEAD><TITLE> Practical Exercise </TITLE><HEAD> <BODY><L1> </CENTER> IT TOOLS </CENTER> </H1> <BR> <IMG SCR = "Word.bmp" ALIGN = "RIGHT" HSPACE=50> <OL start = 1 type = A><T><LI>MS WORD</T><BL> <LI>Starting MS Word<LI>Editing Text<LI>Copying and Moving text <LI>Formatting a Document<LI>Working with Tables<LI>Using Mail Merge Feature</BL> <IMG SCR = "Excel.bmp" ALIGN = "RIGHT" HSPACE=50> <B><LI>MS EXCEL</B><UL type= "square"> <LI>Starting MS Excel<LI>Creating a Worksheet<LI>Editing a Worksheet <LI>Formatting Worksheet<LI>Working with Charts</UL> <IMG SRC = "PowerPoint.bmp" ALIGN = "RIGHT" HSPACE=50> <B><LI>MS POWERPOINT</B><UL type= "disc"> <LI>Getting Started<LI>Creating a Presentation<LI>Working with Slide Master<LI>Applying Color Scheme <LI>Working with Table Slide<LI>Running a Presentation<LI>Closing PowerPoint </UL></OL><HTML></TITLE>
7. Write the output of the following HTML code. <HTML> <HEAD> <TITLE> SPORTS PERSONS </TITLE> </HEAD> <BODY> <OL> <LI> Great sportsmen <OL type = "A"> <LI> Tennis <UL Type = "circle"> <LI> Roger Federer <LI> Maria Sharapova </UL> <LI> Cricket <UL Type = "square"> <LI> M.S.Dhoni <LI> Sachin Tendulkar <LI> Gautam Gambhir </UL> </OL> </OL> </BODY>

</HTML>

8. Raveena wants to insert an image on her web page and align it in the center. She has written the following code to center align the image, but the desired result is not displayed. Can you tell her what is wrong with her code? `<IMG SRC= "SAVETIGER.GIF" ALIGN= "CENTER">`
9. Neha is trying to use the ordered list in her project. However, there is an error in her code which she cannot find out. Kindly resolve the error. The error code is as follows: `<OL type= "i" start= "iii">`

### **C. Answer the following**

**(2\*18)**

1. Differentiate between `<UL>` and `<OL>` tags.
2. What type of lists are supported by HTML?
3. How can we control the size of an image on a web page?
4. Write an HTML code to create the following ordered list. C. Apples  
D. Oranges E. Grapes
5. Write an HTML code to create the following bulleted list. • MS Word • MS Excel • MS PowerPoint • MS Access
6. How can borders be set for any image?
7. Which HTML tag is used to insert an image in a page? Write an option used with this tag.
8. The following code is written to align image in the center of browser window. However the desired result is not achieved. Give reasons. `< IMG SRC = "house.gif" ALIGN = "center">`
9. Name two common graphic file formats that most browsers recognize.
10. Find the errors in the following HTML code and write the correct code. `<UL STYLE : square > <LI> Water Bottles <LI> Lunch Box <LI> Handkerchief </OL>`
11. How can text be displayed in place of image for users whose browsers do not support images?
12. Identify error(s) in the following HTML code and write the correct code. `<OL TYPE = "a" START = "d">`
13. How can you start a list with a specific number?



14. Which attribute allows you to change the style of numbers in an ordered list?
15. What do you understand by Alternate text?
16. How will you add an image to your web page?
17. What is the use of Height and Width attribute?
18. Write the full form of DD, used in definition list.

**D. Answer The Following**

**(4\*6)**

1. What is the purpose of using type attribute in lists?
2. Differentiate between ordered and unordered list with the help of an example.
3. What do you mean by nesting of list?
4. How can you add space around the top and bottom of an image?
5. How will you add border to an image?
6. What is the function of Definition List? Explain its structure with the help of an example

**A. Check the Right Answer****(1\*9)**

1. Which attribute of the <A> tag is used to create named anchors in a web document?

- a. <HREF>   b. ALT   c. NAME   d. IMG

2. Which attribute of the <A> tag is used to add a title to any hyperlink?

- a. Title   b. IMG   c. NAME   d. ALT

3. Which attribute of the <A> tag takes the URL of the linked file?

- a. <HREF>   b. NAME   c. ALT   d. IMG

4. Which is the correct code to link one HTML page with another HTML page?

- a. <A CONNECT = "PG.HTML"> </A>   b. <A ATTACH = "PG.HTML"> </A>   c. <A HREF = "PG.HTML"> </A>   d. <A LINK = "PG.HTML"> </A>

5. Which is the correct HTML code for inserting a named anchor?

- a. <LINK = IMAGE.HTM> </A>   b. <HREF = ANCHOR1.HTM> </A>   c. <A HREF = IMAGE.HTM> </A>   d. <A NAME = "IMAGE"> </A>

6. What is used to specify the space between the boundary and content in a cell?

- a. Spacing   b. Cellpadding   c. Cellspacing   d. Align

7. Choose the correct HTML code to left align the data inside a table cell.

- a. <TR leftAlign>   b. <TD Align = "LEFT">   c. <TD VAlign = "LEFT">   d. <TR "Left">

8. Identify the correct code to give a border around a table.

- a. <TBORDER = 5>   b. <BORDER = 5> <TABLE>   c. <TABLE BORDER = 5>   d. None of these

9. Which is the correct code to merge four columns in a table?  
a. <TD COLSPAN = 4>    b. <TD COLUMN SPAN = 4>    c.  
<COLSPAN = 4>    d. <TD SPAN = 4>

**B. Application Based the following**

**(1\*6)**

1. Sheetal links one part of a web page of the website of St Peter's School with another section of the same page. Can you define the type of linking?
2. Bunty does not know how to specify height and width in a table. Kindly help him with an example.
3. Write the output of the following HTML code. <HTML> <HEAD> <TITLE> TABLE OUTPUT </TITLE> </HEAD> <BODY> <TABLE BORDER> <TR> <TD ALIGN=CENTER ROWSPAN=2> 1 </TD> <TD>A</TD> <TD>B </TD> </TR> <TR> <TD> C </TD> <TD> D </TD> </TR> <TR> <TD ALIGN=CENTER> 2 </TD> <TD ALIGN=CENTER COLSPAN=2> 3 </TD> </TR> </TABLE> </BODY> </HTML>
4. Ranjeet wants to link his E-mail with the website of the organization that he works for. Can you define the type of linking?
5. Shagun wants to set the cell width as well as background color of the cells. How will she achieve this?
6. Reena is promoted to class X and is given an assignment by her class teacher to create a web page displaying a Time Table of her new class. Each row of the table should represent the subjects on the particular day of the week and should be in different color. The column representing the days of the week should be in one color. The column headings should be Days and Periods. The recess should be emphasized. The teacher asked Reena to use the font style of her choice and to keep its size as medium. The heading should be in the largest size TIME TABLE, CLASS X B and the time table should have a red border. Reena would like to take your help in doing the assignment.

### C. Answer the following

(2\*15)

1. Where do you specify the URL of the linked page in the <A> tag?
2. Write the full form of the following tags: i) <LI> ii) <A> iii) <VLINK> iv) ALT
3. Consider the HTML code <A HREF = #intro> Introduction </A> In the code, i) What is the purpose of #? ii) What happen when the user click on “Introduction”?
4. How is External linking different from Internal linking?
5. Explain the command <A HREF= “wild.htm”> Click here for wild animals </A>.
6. What is a hyperlink?
7. What is the use of Cellpadding attribute of the <TABLE> tag?
8. Explain the <TH> element.
9. What is the difference between Align and VAlign attributes of the <TD> tag in HTML?
10. Which attribute of the <A> tag is used to add a text pop-up to an element in your web page?
11. Write the code to create an image named “Heritage.gif” as a hyperlink to “India.html”.
12. Which attribute of the <TABLE> tag merges rows vertically?
13. Name the attributes used to set the following in a table: i) Background color ii) Table border iii) Table width and height
14. Write the HTML code to set the background color of cells.
15. What is the role of <Caption> tag?

### D. Answer The Following

(4\*10)

1. Distinguish between HREF and Name attributes of <A> tag with the help of example each.
2. Write the ways in which <A> tag can be used.

3. How can you create a link to your E-mail address using <A> tag?
4. How can you link an image as a hyperlink to another document? Explain with the help of an example.
5. What are the points to be kept in mind while using Name attribute?
6. Explain how can we set the background color for the table, row and cell.
7. Write the difference between Cellspacing and Cellpadding.
8. Differentiate between the Border and Bordercolor attribute of the <TABLE> tag.
9. What do you understand by Colspan and Rowspan?
10. What is the role of Align attribute in <TABLE> and <TR> tag?

**A. Check the Right Answer****(1\*2)**

1. What is the correct way of describing XML data?  
a. DTD   b. Description Node   c. XSL   d. XML Validator
2. Which is not a correct name for an XML element?  
a. <xmldocument>   b. <7eleven>   c. <phone\_number>   d. <root>

**B. Application Based the following****(1\*3)**

1. Your teacher has asked you to create an XML document for a newspaper article. The article will consist of: headlines, date, time, place, body and notes. Draw the proper tree structure and write the relevant XML code for the same.
2. Your school is celebrating the International Health Week. Your class teacher has asked you to create a wellformed XML document for your daily diet. Include the following information in your document:
  - Day (The Day element must contain at least three more child elements like Monday, Tuesday etc.)
  - Type\_of\_meal (Must contain at least two child elements like Lunch or Dinner)
  - Name\_of\_food\_item (This element must contain at least three different food items)
  - Calories (Mention the approximate calorie intake per food item)Add proper comments wherever required.
3. Design an XML code and tree structure for a video library. This video library must have at least three racks. Each rack must have films from a single language i.e., Hindi, English and Foreign Language Films. Categorize the movie titles in alphabetical order with the description of their director, star\_cast, price and

home\_rights\_owner.

**C. Answer the following**

**(2\*6)**

1. What is XML?
2. What is a root element? Explain its significance.
3. What are attributes and values?
4. Create an XML code to represent a mail sent by Anju to Suman on October 25, 2011. The message within the mail is: "Please buy sweets and crackers for Diwali".
5. Check whether the following code is well-formed or not. If not, then correct the mistakes. `<message> <to> Class Teacher</To> <body> I have solved some CCE Based Questions </message> <sender> Student </sender> </body>`
6. Check whether the following code is well-formed or not. `<teacher> Mrs. Banerjee </teacher> <teacher> Mrs. Gonal </teacher> <teacher> Mrs. Annmarie </teacher>`

**D. Answer The Following**

**(3\*10)**

1. Briefly compare XML with HTML.
2. Can we interchange attributes and elements? How, why and when?
3. What is a DTD? What is its importance with respect to an XML document?
4. What is the difference between a well-formed XML document and a valid XML document?
5. Check whether the following XML document is well-formed or not. `<Mail> <To>Emily</To> <body> Let us find out who is 'A' </mail> <sender> Spencer </sender> </Body>`
6. In a web page, assuming that both HTML and XML have been used; what is the role of each with respect to the overall appearance of the web page?

7. How can XML help us to share data between two different applications across two different platforms?
8. How are elements and attributes related to each other?
9. Which of the following XML snippets are well-formed? (i) `<student><name>Alison</student></name>` (ii) `<formula> a*b=c </Formula>` (iii) `<furniture>chair</furniture>`
10. How does XML handle white spaces as compared to HTML?



**A. Application Based the following****(1\*10)**

1. Amit's computer is not working properly. The executable files and programs with extensions like .com, .exe, .ovl, .drv, .sys, on his PC have got infected. What type of virus has entered into Amit's computer?
2. Your friend Karan had installed a program on your computer. You recently noticed that it was secretly monitoring and collecting information from your computer without your knowledge. What type of program did Karan install in your PC?
3. Lily's computer has got infected with a virus. It has disrupted the normal functioning of her computer. Which software should she install to remove the virus from her PC?
4. Vijay has some crucial project files on his computer. He is afraid that he might lose these files if his computer crashes. So, he has created a copy of these files and stored them on a hard disk. What is the term used for these additional copies?
5. Sheena has sent you an encrypted file that contains some confidential data. You are unable to understand the content as it is an unreadable code. What process can convert this file into a readable format again?
6. Varun has found a new useful software on the Internet and installed it on his system. After running it, his computer has started behaving abnormally. The desktop has changed by itself and some silly icons can be seen on it. What type of malicious program has infected Varun's system?
7. Rahul has an e-mail account that has started receiving unwanted

bulk e-mails which include offensive language and commercial advertisements. What do we call this category of e-mails?

8. XYZ has made an illegal intrusion into a bank website and stolen private credit card information. Name the process that XYZ has used to make an unauthorized access.
9. Hemant has a computer that has suffered from logical damage. He is not able to access his data. What type of utilities can Hemant use to restore the original data on his system?
10. Dhruv has installed a software on his computer that has the capability to protect a server, a network and even an individual PC from most of the viruses and hackers. What is this software called?

**B. Answer the following**

**(2\*7)**

1. What is a virus? Write its types.
2. List the problems that can be caused by a virus in a computer.
3. Describe the term Trojan Horse.
4. Define Spam.
5. What is the function of an Antivirus software?
6. What is the role of a hacker? What do you understand by ethical hacking?
7. Explain the term backup. How is it useful?

**C. Answer The Following**

**(3\*12)**

1. What do you understand by the term Worm?
2. What do you understand by the term virtual school? How is it affecting education?
3. What is the main difference between a computer worm and a Trojan horse?
4. How is the Online backup system different from the Offline

backup system?

5. Compare hackers and crackers.
6. Write the steps to prevent a virus from entering into a computer.
7. What do you understand by data recovery techniques? Explain.
8. What are the benefits of ICT in healthcare?
9. What are the various security provisions in E-commerce?
10. What is a Boot Virus?
11. What are the various techniques of data backup? Explain any one.
12. Explain the impacts of ICT on society.