Dear Students!!

In this e-book of 10th class, study material of computer science is being sent to you as per new syllabus (2024-25). You can easily prepare your test / papers by reading these notes and watching the video lectures given below. Following are the links of the video lectures in blue color. Watch these video lectures by clicking on the relevant link of chapter to have better understanding of various concepts.



10 th Class - Computer Science Syllabus & Video Lecture Links (Pbi)				
Chap	ter	Explanation of Chapter	Solution of Exerecise	Quick Revision
Chapter-1		https://youtu.be/ld9j6u8	https://youtu.be/0mdt	https://youtu.be/nTTjLq
Office Tool	S	<u>4ogo</u>	<u>RvkR1L8</u>	<u>VIS8s</u>
Chapter -2		https://youtu.be/NOnCp	https://youtu.be/mQfZ	https://youtu.be/DhYiCr
HTML-1		<u>sDMSYs</u>	<u>JaMMrWQ</u>	<u>QHtRo</u>
Chapter -3		https://youtu.be/ULZGiT	https://youtu.be/V_TcV	https://youtu.be/QCVBt
HTML-2		<u>DL7D0</u>	<u>pdRovE</u>	<u>x12JQ4</u>
Chapter -4		https://youtu.be/5xCOSr	https://youtu.be/V_TcV	https://youtu.be/7PtF2o
HTML-3		PMcBI	<u>pdRovE</u>	<u> 18Y </u>
Chapter -5 https://you		https://youtu.be/QRWD	https://youtu.be/N3kHj	https://youtu.be/WAIILg
Operating SYstem EfZKcGI bycNrM		<u>bycNrM</u>	<u>kMeQ0</u>	
Chapter -6		https://youtu.be/9GBAli	https://youtu.be/yYRW	https://youtu.be/9X3_1L
Desktop Publishing		FMUal	<u>P3I6Fng</u>	wA2ro
Chapter -7		https://youtu.be/QWhly	https://youtu.be/jKIT9a	https://youtu.be/11Q2g
Microsoft Publisher <u>b10sdl</u>		<u>b10sdl</u>	<u>49jm4</u>	<u>2_BzE4</u>
		https://www.youtube.co	https://www.youtube.c	https://www.youtube.co
Links of Playlists		m/playlist?list=PLja3EaJF	om/playlist?list=PLja3E	m/playlist?list=PLja3EaJ
		<u>Ajmbp-</u>	<u>aJFAjmal7j9srJRw_bNjq</u>	FAjmbHFqNBhHHZzeDG
		<u>HISbHmdHogP10foUyqn</u>	<u>BGlcVyf</u>	bQM3yhsQ
HTML	Dractical	Section UTMI Drogram	ing (Dout 1)	
Practical		Session – HTML Programm		//youtu.be/DcYz0QX9CVs
Lecture		Session – HTML Programm	• • • •	//youtu.be/qLlzLKrbhlA
Links	Practical	Session – HTML Programm	ing using widdlie <u>https:</u>	//youtu.be/PYFuKCwdlOY

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Please use the following link to download the study material/e-books/e-contents for 6th to 12th classes:

http://cspunjab.nirmancampus.co.in/study.php

			Secence (Session: 2024-25)	
			apter 1 st	
		Of	fice Tools	
Que	:1 Multiple Choice Quest	ions:		
Ι.	Which of the following	is an example of office	tool?	
	a. MS Word	b. Google Slides	c. MS PowerPoint	<u>d. All of these</u>
II.	Which of the following	is the example of Word	d Processor?	
	a. Google Docs	b. Google Sheets	c. Google Drive	d. MS Excel
III.	Which of the following	is not an example of G	oogle's Online Office Tool?	
	a. Google Slides	b. Google Docs	c. OpenOffice Writer	d. Google Sheets
IV.	Which softwares are of computer itself?	designed to operate,	control and extend the proc	essing capabilities of the
	a. Application Software	b. System Software	c. Google's online office tools	d. All of these
V.	is a set of p	rograms that enable a	user to perform some specific t	task.
	<u>a. Software</u>	b. Hardware	c. Language Translators	d. Prog. Languages
VI.	After setting the option	"Anyone with the link	", we can set one of the follow	ing access levels using the
	drop-down menu for sh	aring the file created i	n Google Docs?	
	a. Viewer	b. Commenter	c. Editor	<u>d. Any of these</u>
	:2 Fill in the Blanks Application Softwares a	re also known as		
2.	System softwares are us	sually written in	Computer Programming I	Languages.
			tegory of soft	
4.			to process and analyze tabula	
5.	is a			•
Ans:		•	ow-Level Programming langua	ges

Ans: 1. End-User Applications 2. Low-Level Programming languages 3. Application Softwares 4. Spreadsheet 5. Google Docs

Que:3 Short Answer Type Questions Que:I Define the term Office Tools?

Ans: Those softwares which are designed to make computer users more productive and efficient at their workplace, are known as Office Tools. Office Tools includes some application softwares such as Word Processors, Spreadsheets, Presentation softwares etc. These tools help users to save their large amount of time and effort.

Que:II What is Application Software?

Ans: Applications softwares are also known as End-User Applications. These softwares are mostly designed and developed to perform specific tasks for users. These softwares are usually written in various types of High-Level Programming languages. Application software cannot run without the support of Operating System. MS Word, Excel, PowerPoint etc. are the examples of Application Softwares.

Que:III Write some examples of Word Processor Tools?

Ans: Examples of Word Processor Tools/Software are given below:

1. Microsoft Word

- 4. WordPad
- 2. Google Docs 5. Word Perfect
- 3. OpenOffice Writer

Que:IV Write about Multimedia Tools.

Ans: Multimedia is a form of communication that combines different forms of contents such as text, audio, images, animations, or video into a single presentation. Multimedia tools allow users to create multimedia applications/contents using various forms of contents. Adobe Flash, Media Players and Real players are the examples of multimedia tools.

Que:V Explain Google Docs.

Ans: Google Docs is a free online word processor. It is a Web-based document management application for creating and editing documents. It helps us in real time online word processing. Google Docs allows us to export its document file in all major file types including .docx, .pdf, .odt, .rtf, .txt, and .html.

Que:4 Long Answer Type Questions

Que:I What are Softwares? Explain different types of softwares?

Ans: Software is a set of programs that enable a user to perform some specific task or used to operate a computer. Without software, a user can't perform any task on a computer. Software can be divided into mainly two types: Application Software and System Software.



- 1. System Software: System software is a collection of system programs. These softwares are designed to operate, control, and extend the processing capabilities of the computer itself. These softwares are usually written in Low-Level Computer Programming languages. Some examples of system software are Operating System, Language Translators, etc.
- 2. Application Software: Application softwares are also known as End-User Applications. These softwares are mostly designed and developed to perform specific tasks for users. These softwares are usually written in various types of High-Level Programming languages. Application software cannot run without the support of Operating System. MS Word, Excel, PowerPoint etc. are the examples of Application Softwares.

Que:II What are the advantages and disadvantages of using online office tools?

Ans: Following are some of the common advantages and disadvantages of using online office tools:

Advantages of Using Online Office Tools:

- The cost of using online office tools is either very low or there is no specific charge for using these services.
- There is no need to download or install these online tools/software.
- Online office tools can run on thin clients (N Computing) with minimal hardware requirements.
- Online office tools provide the ability to share files.
- Online office tools are portable.

Disadvantages of Using Online Office Tools:

- For accessing these tools, high speed internet connectivity is required always.
- There is a lack of advanced features in the online tools as compared to offline tools.
- The user has no control over the version of the software used.

Que:III Compare Offline and Online Office Tools.

Ans: Following table shows the comparison between Offline and Online Office-Tools:

	Offline Office Tools	Online Office Tools
1.	No internet connection is required for using these	Internet connection is required for using these office
	tools	tools.
2.	Files created in offline office tools are stored in the	Files created in online office tools are stored on the
	local storage of computer system	cloud storage.
3.	Files can be accessed only on the local computer	Files can be accessed from anywhere in the world as files
	system where they are stored	are stored at online storage media
4.	Files cannot be shared easily.	File can be shared easily using inbuilt options.
5.	Multiple people cannot work easily on the same file	Multiple people can work on the same file created in
	created in these Apps.	these Apps.
6.	Examples: MS Word, Excel, PowerPoint etc.	Examples: Google Docs, Google Sheets, Google Slides
		etc.

		10 (computer scien		011. 2024-23	/		
			Chapter -	– 2 nd				
	HTML PART-I							
Q:I M	ultiple Choice Q	uestions:						
1.		is a coll	ection of websites or we	b pages.				
	a. World Wide	e Web	b. Web Sites	c. HTML			d. Hyper Text	
2.		is the tex	t which contains links to	o other web	b pages.			
	a. Static Text		b. Hyper Text	c. Plain To	ext		d. All of these	
3.	To view the o	utput of HTML p	rogram, we have to ope	n it in the _				
	a. Text Editor		b. Word Processor	c. File Exp	plorer		d. Web Browser	
4.		are used to pro	ovide additional informa	tion about	HTML tags.			
	a. Paired tags		b. Unpaired Tags	c. meta-d	lata		d. Attributes	
5.	ta	ag is used to crea	ate scrollable texts and i	mages with	hin a web pag	е.		
	a. <title></td><td></td><td>b. <center></td><td><u>c. <marqu</u></td><td>uee></td><td></td><td>d. <sup></td></tr><tr><td>Q:II Fi</td><td>ill in the Blanks</td><td></td><td></td><td>-</td><td></td><td></td><td>-</td></tr><tr><td>1.</td><td>Paired Tags are</td><td>also known as</td><td> tags</td><td></td><td></td><td></td><td></td></tr><tr><td>2.</td><td> part</td><td>contains all those</td><td>se contents that are disp</td><td>layed on th</td><td>he web page t</td><td>o the end</td><td>l user.</td></tr><tr><td>3.</td><td><! DOCTYPE ht</td><td>ml> tag describe</td><td>es the of HTN</td><td>IL.</td><td></td><td></td><td></td></tr><tr><td>4.</td><td></td><td></td><td>nsert a single line break</td><td></td><td></td><td></td><td></td></tr><tr><td>5.</td><td></td><td> tag is used to</td><td>add a subscript text to t</td><td>he HTML d</td><td>locument.</td><td></td><td></td></tr><tr><td>6.</td><td>а</td><td>ttribute is used</td><td>to set the background ir</td><td>nage for th</td><td>e HTML docur</td><td>nent.</td><td></td></tr><tr><td>Ans:</td><td>1. Container T</td><td>ags</td><td>2. Body</td><td>3</td><td>. Version 5</td><td></td><td></td></tr><tr><td></td><td>4.</td><td></td><td>5. <sub></td><td>6</td><td>background</td><td></td><td></td></tr><tr><td>Q:III \</td><td>Write the full for</td><td>ms of the follow</td><td>ving HTML tags:</td><td></td><td></td><td></td><td></td></tr><tr><td>1.</td><td></td><td>Bold</td><td></td><td>6. <t</td><td>:t></td><td>Teletype</td><td>e Text</td></tr><tr><td>2.</td><td><i></td><td>Italic</td><td></td><td>7. <h</td><td>nr></td><td>Horizon</td><td>tal Ruler</td></tr><tr><td>3.</td><td><u></td><td>Underline</td><td></td><td>8. <b</td><td>or></td><td>Break Li</td><td>ne</td></tr><tr><td>4.</td><td><s></td><td>Strikethrough</td><td></td><td>9. <<mark>s</mark></td><td>sup></td><td>Supersci</td><td>ript</td></tr><tr><td>5.</td><td></td><td>Paragraph</td><td></td><td>10. <mark><s</mark></td><td>sub></td><td>Subscrip</td><td>it i i i i i i i i i i i i i i i i i i</td></tr><tr><td>Q:IV S</td><td>Short Answer Ty</td><td>pe Questions</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>0.1 \</td><td>/hat is HTMI 2</td><td></td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table></title>							

Q:1 What is HTML?

Ans: HTML stands for Hypertext Mark-up Language. It is a simple text based language. It is used to create webpages. HTML Commands that are used in webpages are called Tags. Tags are represented using angular brackets (<>). There are two types of tags used in HTML:

- Paired or Container tags
- Unpaired or Empty tags

Q:2 Write the name of softwares required for HTML programming.

Ans: Following softwares are required for HTML programming:

- Text Editors: Notepad, Notepad++, Sublime etc.
- Web Browsers: Internet Explorer, Google Chrome, Firefox etc.

Q:3 What are attributes?

Ans: HTML tags can also have attributes. Attributes are used to provide additional information about HTML tags. These attributes are always specified in the Opening tag. Attributes usually come in name/value pairs like: name="value". Attribute values should always be enclosed in quotation marks.

Example:

Here **border** is the attribute of table tag and "1" is the value the border attribute.

Q:4 Write the name of any five tags used for formatting in HTML.

Ans: Following are commonly used tags used for formatting in HTML:

- tag for Bold
- <I> tag for Italic
- <U> tag for Underline
- <S> tag for Strikethrough
- <SUP> tag for Superscript

Q:5 How will you scroll text and images in HTML document?

Ans: Marquee is one of the important tags introduced in HTML. It is used to create scrollable texts and images within a web page. It scrolls either from horizontally - left to right or right to left, or vertically - top to bottom or bottom to top. For example: <marquee direction="right">Scrolling Text</marquee>

Q:V Long Answer Type Questions

Q:1 What are Tags? Explain different types of tags used in HTML.

Ans: HTML commands that are used in a webpage are called Tags. Tags are some special instructions which instruct web browser to perform special task. Tag is represented using angular brackets (<>). There are two types of tags that are used in HTML:

1. Paired Tags: These tags are also known as Container or Companion Tags. These tags consist of two tags: first one is called an opening tag (<>) and the second one is called a closing tag (</>). For Example:

HTML From	HTML
<u></u>	
Opening Tag	Closing Tag

2. Unpaired Tags: These tags are also known as Empty or Singular Tags. These tags do not need to be closed. For Example:
, <hr> tags etc.

Q:2 How will you work with fonts in the HTML document?

Ans: To work with the fonts in HTML document, we use tag. tag is a container tag. It is started with tag and closed with tag. To change the size, color and font of text, we can use its attributes. Following are the three main attributes used for this purpose of tag:

- Size: This attribute is used to change the size of font
- Color: This attribute is used to change the color of text
- Face: This attribute is used to change the font of text
- For Example: Hello

Q:3 Explain about the body part of the HTML document? How will you format it?

Ans: HTML document represents a web page. Body part is an important part of a web page. Body part is defined by the <BODY> tag which is a container tag. It begins with <BODY> tag and ends with </BODY> tag. All the contents, such as text, pictures, videos, tables, lists, forms etc. shown to user is defined within this tag. Body of the html document should start immediately after the closing head tag, i.e. </head>. Head and Body part of the web page should be embedded in between the <HTML> and </HTML> tags. To format the body of HTML document, we can use its attributes:

- BGCOLOR: This attribute is used to set the background color of the body
- BACKGROUND: This attribute is used to set the background image of the body
- TEXT: This attribute is used to change the foreground-color of text

Chapter – 3rd HTML PART-II

Que: I Multiple Choice Questions:

1.	Which of the follow	ving list is not used in HTML docu	uments?	
	a. Bulleted List	b. Numbered List	c. Ordered List	<u>c. Data List</u>
2.	Which of the follow	ving tag is used to define the list	items in the ordered and unor	dered lists?
	a. 	b. 	<u>c. </u>	d. <dt></dt>
3.	tag is us	sed to create a table row in the H	ITML document.	
	a. <row></row>	b. <table row=""></table>	<u>c. <tr></tr></u>	d. <r></r>
4.	By using	attribute, we can define spa	ace between table cells.	
	a. Cellspacing	b. Cellpadding	c. Rowspan	d. Colspan
5.	We will use	_ attribute if we want to merge	cells of two or more rows into	a single cell.
	a. Cellspacing	b. Cellpadding	<u>c. Rowspan</u>	d. Colspan

Que:II Write the full forms of the following tags or attributes: 6. <d> Definition Data 1. Ordered List 6. <d> Definition Data 2. Unordered List 7. <tr> Table Row 3. <dl> Definition List 8. <th> Table Heading 4. List Item 9. <td> Table Data 5. <dt> Definition Title 0 Unordered List, all the list items are marked with bullets. 2. In</dt></td></th><th></th><th></th><th></th><th></th><th></th><th>•</th></dl></tr><tr><td>2. Unordered List 7. <tr> Table Row 3. <dl> Definition List 8. <th> Table Heading 4. List Item 9. <td> Table Data 5. <dt> Definition Title Unordered List 8. <th> Que:III Fill in the Blanks: 1. In HTML documents, we can create and use different types of lists 7. <tr> Table Data 2. In list, all the list items are marked with bullets. 3. A tag is used to define the Table Headings. 5. We can set the vertical alignment of only cell-contents using attribute. 6 represents the distance between the cell border and the content of a cell. 3. Nested 4. <th> 5. Valign 6. 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Q:1 What is Definition List.

Ans: Definition List is also known as a Description List. It is a list of items with a description or definition of each item or term. In this list, items are listed like in a dictionary. <DL> tag is used for declaring a definition list in HTML. Each list-item in the definition list contains two entries:

- Definition Title (also called Data Term): The <DT> tag defines definition title.
- Definition Description (also called Data Definition): The <DD> tag defines definition description.

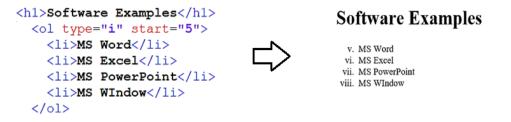
← □ × ② @ C:\Users\Kansal\Desktop\ P ⊕ ☆ ※ ◎ Ø HTML Definition List × D Definition Title using <dt></dt>	
 HTML HTML stands for HyperText Markup Language. It is the standard markup language for creating Web pages. A Markup language is a computer language that uses tags(<>) to define elements within a document. CSS CSS stands for Cascading Style Sheets. It describes Definition Description using <dd> on screen, paper, or in other media CSS saves a lot of work. It can control the layout or multiple web pages all at once. External stylesheets are stored in CSS files</dd> 	Definition List using <dl></dl>

Q:2 What is Ordered List? Write the name of tag and attributes for creating ordered lists.

Ans: Ordered-List is also known as Numbered List because it displays list of items in the Numbered Format. These lists are used when the order of the items in the list is important.

Tags and Attributes for Ordered List:

- The tag is used to create Ordered list in HTML. tag is used to represent the list items in the list.
- <u>Type</u> and <u>Start</u> are the two commonly used attributes for tag. Type attribute I used to specify the type of numbering for the list while Start attribute is used to specify the starting point of numbering.



Q:3 Write the name of various basic tags used for creating tables in HTML.

Ans: Following are the basic tags used for creating tables in HTML documents:

- <TABLE>
- <TR>

- <TH>
- <TD>

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Q:4 How will you merge cells of HTML table?

Ans: Merging cells mean combining two or more cells to make a single cell. Colspan and Rowspan Attributes can be used to merge cells in HTML tables. These are the attributes of <TD> or <TH> tags.

- Colspan: It is used to merge cells of two or more columns. For Example:
- Rowspan: It is used to merge cells of two or more rows. For Example:

Q:5 Explain the various attributes of tag used for formatting its background.

Ans: Table background can be formatted using the attributes of tag. We can set table background using the following attributes:

- Bgcolor: This attribute is used to change the background color of the table. For Example:
- **Background**: This attribute is used to set background image for the table. For Example:

Que:V Long Answer Type of Questions

Q:1 What are tables? Explain the basic tags used for creating a table in the HTML document.

Ans: A table is a structure in which data can be arranged in rows and columns. Tables are widely used to represent data in tabular form mainly. Information in tables is easily readable and understandable. Contents of a table are shown in the cells. Following basic tags are used for creating tables in HTML:

- <TABLE> Tag: The tag is used to define a table in HTML documents. •
- <TR> Tag: TR stands for Table Row. This tag is used to define a row in the tag. •
- <TH> Tag: TH stands for Table Heading. This tag is used to define the Column Headings of a table. Normally, we • will put our top row as table heading. By default, table headings are bold and centered in the cell.
- <TD> Tag: TD stands for Table Data. This tag is used to define contents/data of a cell. The contents defined by are regular and left aligned by default.

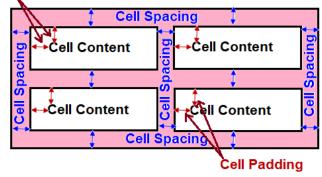
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Q:2 What is Cell Padding and Cell Spacing? Explain with suitable example.

Cell Padding

Ans: CellPadding and CellSpacing are the attributes of tag. These attributes can be used to adjust the white space in table cells.

- Cellpadding: It provides space inside the cells. It represents the distance between cell border and the content of a • cell. The default cell padding is 1 pixel. For Example:
- Cellspacing: It provides space outside the cells. Using cellspacing attribute, we can define space between table cells. The default cellspacing is 2 pixels. For Example:



RowSpan (Merging of Row Cells)

Q:3 Differentiate between Ordered List and Unordered List.

Ans: Following are the differences between ordered and unordered lists:

	Unordered List		Ordered List
1.	It is also known as Bulleted List	1.	It is also known as Numbered List
2.	It is a list in which order of the list items does not matter.	2.	It is a list in which order of the list items is important.
3.	It displays list items with bullets.	3.	It displays list items in the numbered format
4.	The tag is used to create this type of list	4.	The tag is used to create this type of list
5.	Type is the main attribute for creating Unordered	5.	Type and Start are the main attributes for creating
	Lists.		Ordered Lists.

Chapter – 4th

HTML PART - III

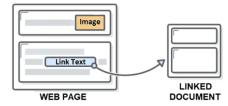
Que: I Multiple Choice Questions:

Que	en inititiple choice	Questions:			
1.		URL gives complete loc	ation to a resource (file).		
	a. Relative	b. Absolute	c. Internal	d. Ex	ternal
2.	Which tag is used	l to add an image in HTML	document?		
	a. <picture></picture>	b. <pic></pic>	c. <image/>	<u>d. <ir< u=""></ir<></u>	ng>
3.	Which of the follo	owing attribute is not used	by anchor tag in HTML?		
	a. href	<u>b. src</u>	c. target	d. tit	le
4.	Α	link is underlined and	shown in purple color by d	efault.	
	a. Unvisited Link	<u>b. Visited Link</u>	c. Active Link	d. No	one of these
5.	Which HTTP met	hod is used to send form-d	ata to web server?		
	a. GET and SET	b. GET and POST	c. POST and SEND	d. GE	T and SEND
6.	Which of the follo	owing form control is used	to accept multiple lines of	text in the web p	page?
	a. Textbox	b. Dropdown Bo	x c. Password Field	<u>d. Те</u>	<u>xtArea</u>
Que	e:II Fill in the Blank	s:			
			o the parent folder of the cu		
2.	Every image tag h	nas a attribute	which tells the browser whe	ere to find the in	nage that we want to
	display.				
3.	Named anchors a	re also called	·		
4.			nethod cannot be bookmarl		
5.			izing tasks for website comp	oletion.	
Ans			B. Bookmarks	4. POST	5. Planning
Que	e:III Write the full f	orms of the following:			
	URL	Uniform Resource Locate			
	GIF	Graphics Interchange Fo			
	PNG	Portable Network Graph			
	JPEG	Joint Photographic Expe	rt Group		
	HREF	Hypertext Reference			
6.	SRC	Source			
7.	<a>	Anchor Tag			
		Image Tag			
	e:IV Short Answer				
	· · · · · · · · · · · · · · · · · · ·	rt an image in the HTML do			
	-	-	we use tag. The <im< th=""><th>• •</th><th>oty tag, which means it has</th></im<>	• •	oty tag, which means it has
no	closing tag. Followi	ing is the basic syntax to in	sert an image to a web pag	e:	

Here, src is an essential attribute of tag which stands for source. This attribute is used to specify the URL of the image to be displayed.

Q:2 What is Hyperlink?

Ans: HTML links are called Hyperlinks. A webpage can contain various links. These links allow visitors to navigate between Web sites by clicking on them. By default, web browser shows links in blue color with underline. In HTML, a link can be created using <a> tag. This tag is called anchor tag. In this tag, HREF (Hypertext Reference) attribute is used to specify the URL of the document to be linked. Following is the simple syntax to create a hyperlink using <a> tag.



Link Text or Image

Q:3 What are Forms?

Ans: HTML Forms provide interactivity between user and website. These forms are like simple forms. They are used to get data from the user, such as - registration information: name, email address, credit card, etc. A form gets input from the user. Then it will be posted/submitted to web-server. At web-server, server-side scripts (ASP or PHP etc.) process the form's data and stores it in the database.

Enter Name : Paramveer
Enter Address : S.A.S. Nagar Mohali
Select Gender : \odot Male \circ Female
Select Class: 6th ~
Select Language : R Punjabi D English
Submit Data Reset Form

Fig: Example of a HTML Form

Q:4 Write the name of various controls used in the web forms.

Ans: Following are the commonly used controls of web-forms:

- Textbox Control
- Text Area Control
- Password Field Control
- Checkbox Control
- Radio button Control
- Selection List Control
- File Selection Control
- Button Control
- Submit Button
- Reset Button

Q:5 What are the different types of buttons used in the HTML forms?

Ans: Following are the common types of buttons used in the HTML documents:

- Submit: This button is used to send all form-data to the web server.
- Reset: This button is used to reset all form-controls to their initial values.
- Button: This button is used to call/run a function/code written in client-side scripting language (JavaScript).
- Image: This button is used to create a clickable button with image background.

Que:V Long Answer Type Questions:

Q:1 What is URL? Explain different types of URL.

Ans: URL stands for Uniform Resource Locator. URLs play an important role in locating our resources on web server or local computer. Each website or webpage has a unique URL. For example: the website of Punjab School Education Board has web-address or web-URL called http://pseb.ac.in/. There are two types of URLs:

- 1. Absolute URL: An absolute URL gives complete location to a resource (file). Consider an example of absolute URL: "D:\main\picture.jpg"
- Relative URL: A Relative URL describes the path of the file relative to the current location of file. It usually contains only the folder name and file name or even just the file name. Consider an example of relative URL: "./picture.jpg"

Prepared By: Vikas Kansal (Computer Facul	ılty, S.U.S. Govt. Sen. Sec. School (Girls),	Sunam Udham Singh Wala (Sangrur)
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Q:2 Explain the various text input controls used in web forms.

Ans: Following are the text input controls used in web forms:

- Textbox or Text-Field Control: This control is used to accept a single line of text from the user. For example: user name, contact number etc. Basic example of textbox control is: <input type="text">
- Password Field Control: It is also a Single-line text input control, but this control is used to accepts the password type secure information. Basic example of password control is: <input type="password">
- Text Area Control: This control is used to accept multiple lines of text from the user. For Example: address information, comments, etc. Basic example of textarea control is: <textarea rows="5" cols="50"></textarea>

Q:3 What are the various phases of web development?

Ans: Web development refers to building, creating, and maintaining websites. for developing web projects, following phases should be followed:

- Phase 1 Information Gathering: It involves understanding the client's requirements.
- Phase 2 Planning: It is about prioritizing tasks for website completion.
- Phase 3 Design & Layout: In this phase, look and feel of the website is determined.
- Phase 4 Development: In this phase, web developers develop websites using programming languages.
- Phase 5 Testing & Launch: In this phase, the functionality of the website is tested.
- Phase 6 Maintenance: This phase deals with the updation of contents and design of the website.

Chapter 5th

Operating System

Que: I Multiple choice questions:

1.	An operating system is a					
i	a. Terminal	b. System Software	c. Application Software	d. Processor		
2.	refers to ke	eeping several programs in di	fferent parts of the main memor	y at the same time and		
	executing them concurrently.					
	a. Multi-application	b. Multi-processing	<u>c. Multi-programming</u>	d. Multi timing		
3.	The users of opera	ating system do not interact v	vith the computer directly.			
			c. Network Operating System	d. Distributed system		
			et and our local area network.			
		b. Processor	<u>c. Firewall</u>	d. Security Threat		
	GUI stands for					
i	a. Graph User Interface	b. Graphics User Interface	c. Graphical User Interface	d. None of these		
-	e:II Fill in the blanks: The little CPU time given to	each user in the Time-Sharin	g operating system is known as _			
	_		ol the access of programs, proces			
	resources defined by a com	•				
3.	is a program	n that acts as an interface be	tween the user and the compute	er hardware.		
4.	replicate itself and	l infects the files and program	s of our PC and can make them	non-functional.		
Ans	: 1. Time Slice	2. Protection	3. Operating Sy	ystem		
	4. Computer Viruses					
Qu	e:III Write True or False:					
1.	In tightly coupled systems,	there is a single primary merr	nory, which is shared by all the p	rocessors.		
2.	2. A Multi-User Operating System is a system that allows only one user to access a computer system at one time.					
3.	Confidentiality ensures that	t data exchanged is not acces	sible to unauthorized users.			
4.	Firewall cannot block unaut	thorized access to our PC.				

5. Anti-malware is a computer program used to prevent, detect, and remove malware.

Que:IV Short answer type Questions:

Q:1 What is an Operating System?

Ans: Operating system is System Software. It is used to operate or run computer. It provides an environment in which the users can work efficiently on the computer system. It is a software that acts as an interface between the user and the computer hardware and controls the execution of all kinds of programs. Examples of Operating Systems are: Windows, DOS, Unix, Linux, Mac OS etc.

Q:2 Write the name of types of operating systems.

Ans: Following are some popular types of Operating Systems:

- Batch Operating System
- Multi-Programming Operating System
- Time-Sharing Operating Systems

Q:3 Make a list of the common functions of operating system.

Ans: Following list shows the most common functions of an operating system:

- 1. Program Execution
- 2. To control Input output related operations
- 3. File Manipulation
- 4. Communication

Q:4 What are Computer Security Threats? Write their names.

Ans: A computer security threat refers to any possible malicious attack. These threats can affect the smooth functioning of our PC. The most harmful types of computer security threats are given below:

- Malware
- Phishing

Rootkit Keylogger

Q:5 What is Firewall?

Ans: A firewall helps us to secure and protect our Information from various Security threats. It acts as a security guard between the internet and our local area network. It prevents hackers from attacking our system. Firewall blocks unauthorized access to our PC.

Que:V Long Answer Type Questions:

Q:1 Explain various functions of operating system.

Ans: The main functions of the operating system are:

- 1. Program Execution: The operating system executes user programs and system programs in the computer.
- 2. Input Output Operation: The operating system controls all the input/output operations in the computer.
- 3. File System Manipulation: The operating system manages the files and directories in the computer system.
- 4. Communication: The operating system handles the communication between different types of devices and programs in a computer system.
- 5. Error detection: The operating system can detect various types of errors in the computer system and correct them too.
- 6. Resource Management: The various resources of the computer system, such as: Memory, CPU, Storage, etc. are also managed by the operating system.
- 7. **Protection**: The operating system provides various technologies to protect user data and programs.
- Q:2 Write the difference between the Single-user and multi-user operating systems.

Ans: Following table shows the major differences between these two systems:

	Single-User Operating System	Multi-User Operating System			
1.	In these Systems, only one user can access the	1.	In these System, more than one user can access a		
	computer at the same time.		computer at the same time.		
2.	All the resources are allocated to a single user of	2.	All the resources are allocated among multiple		
	the system.		users of the system.		
3.	Processing of system is faster.	3.	Processing of system is slower.		
4.	4. These systems are simplistic and easy to design.		These are complicated and difficult to design		
5.	Types of Single User Operating systems are:	5.	The types of Multi-User Operating System are:		
	 Single-User Single-Task systems 	Time Sharing Operating System			
	 Single-User Multi-Task systems. 	Distributed Operating System			
6.	Examples: MS DOS, Windows 95, Personal	I 6. Examples: Mainframe Computers such as IBM			
	Computers, etc.	AS400, Linux & Unix Distributed OS, etc.			

Multi-Processing Operating System

Network Operating System

Real Time Operating System

- 5. Error Detection
- 6. Resource Management
- 7. Protection

Q:3 What is Time-Sharing Operating System? Write its advantages and disadvantages.

Ans: In Time sharing systems, many terminals/users are connected to a main computer system at the same time. A little time of CPU is given to each user's program in a circular way. This little CPU time given to each user is known as Time Slice or Time Quantum. The system switches rapidly from one user to the next user. Advantages of Time-Sharing System:

- Reduces CPU idle time.
- Reduces the output of paper.
- Avoids duplication of software.

Disadvantages of Time-Sharing System:

- Large main memory is required for user programs.
- It requires CPU scheduling techniques.
- Memory management is required.

Q:4 What is Multi-Processing Operating Systems? Explain.

Ans: Multiprocessing system is used to describe interconnected computers, with two or more CPUs. These systems have the ability to simultaneously execute several programs. In such a system, instructions from different and independent programs can be processed simultaneously by different CPUs. The basic organization of a typical multiprocessing system is shown below:

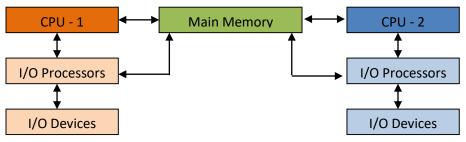


Fig: Basic Organization of Multiprocessing System

Multiprocessing systems are of two types:

- Tightly Coupled Systems: These systems are also known as Parallel Processing Operating Systems. In these systems, there is a single primary memory, which is shared by all the processors.
- Loosely Coupled Systems: These systems are also known as Distributed Operating Systems. In these systems, each processor has its own local memory.

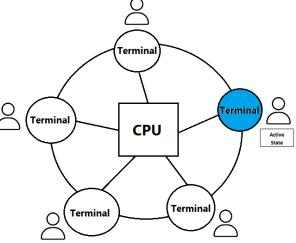
Chapter 6th

Desktop Publishing

Que: I Multiple Choice Questions:

- 1. Programs that can be used to create books, magazines, newspapers, flyers, pamphlets, and many other kinds of printed documents, are called?
 - a. Desk Publishing <u>b. Desktop Publishing</u> c. Top Publishing d. Publishing
- 2. _____enables us to see on the display screen exactly what will appear when the document is printed. a. WYSWJKI b. WKSWUG c. WUSIWUG d. WYSIWYG
- 3. ______ are external output devices that take data from a computer and generate output in the form of graphics / text on a paper.

	a. Frames	b. Printers	c. Fonts	d. Plotters		
4.	4 are rectangular areas which are meant for inserting graphics and text.					
	a. Rectangles	b. Frames	c. Structure	d. Fonts		
5.	is a visual re	presentation of objects				
	a. Charts	b. Graphics	c. Frames	d. Fonts		
6.	6. Which of the following is not an example of Desktop Publishing Software					
	a. Corel Draw	b. Word Processor	c. GIMP	d. Adobe Photoshop		



Que:II Fill in the banks

- 1. ______ is the use of the computer and software to create visual displays of ideas and information.
- 2. A ______ is the space between the main content of a page and its edges.
- 3. A ______ is a graphical representation of text that may include a different typeface, point size, weight, colour, or design.
- 4. In Graphics software, ______ are the different levels at which one can place an object or image file.
- 5. In ______ Printers, characters or graphics are printed by striking print-head on the paper.

Ans:1. Desktop Publishing2. Margin3. Font4. Layers5. ImpactQue:III Write the Full Forms:

- 1. DTP Desktop Publishing
- 2. WYSIWYG What you See Is What You Get
- 3. 3D Three Dimensional
- 4. GIMP GNU Image Manipulation Program
- 5. DMP Dot Matrix Printer

Que:IV Short Answer type Questions

Q:1 What is Desktop Publishing?

Ans: Desktop publishing is also known as DTP. DTP is an application through which we can print Visiting cards, Magazines, Calendar, Advertisement etc. in a good quality with the help of computer. This task is related to Publishing and Printing. Desktop Publishing Application is used to prepare beautiful, accurate and high-quality documents. It is easy to create Page Layout in it. Each object (Text and Graphics) can be controlled separately using DTP application software.

Q:2 Write the name of various types of printers?

Ans: A printer is an external output device that is used to print documents. There are two types of printers:

- Impact Printers (Daisy wheel printer, dot matrix printer, line printer)
- Non-Impact Printers (inkjet Printer, Laser Printer)

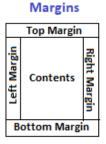




ਨਾਨ-ਇਮਪੈਕਟ ਪ੍ਰਿੰਟਰ

Q:3 What are Margins?

Ans: A margin is the space between the main content of a page and its edges. The margin helps to define where a line of text begins and ends. We can set margin in all four directions of a page - Top Margin, Bottom Margin, Left Margin and Right Margin. Commonly, document's margin-size is set to one inch. Margin size can also be adjusted as per our requirement.



Q:4 Define Graphics?

Ans: A graphic is an image or visual representation of an object. Therefore, computer graphics are simply images displayed on a computer screen. Old Graphics could represent Graphics only in few colours while modern computers can represent Graphics in millions of colours. Computer graphics can be either two dimensional or three-dimensional. Q:5 What do you mean by the term "WYSIWYG"?

Ans: It is pronounced as "Viz-E-Vig". WYSIWYG stands for "What You See Is What You Get". In printing and computing, it is a system that shows you exactly what the document will look like when you print it. We can prepare such type of documents with the help of DTP software that appears very close to WYSIWYG. In computers, laptops, and tablets, the 'print preview' feature is a WYSIWYG application.

Que:V Long Answer type questions

Q:1 Explain Vector Graphics and Bitmap Graphics?

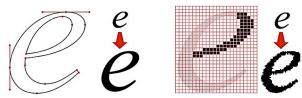
Ans: The difference between Vector Graphics and Bitmap Graphics is given below:

Prepared By: Vikas Kansal (Computer Faculty, S.U.S. Govt. Sen. Sec. School (Girls), Sunam Udham Singh Wala (Sangrur)

Vector Graphics			Bitmap Graphics		
1.	Vector graphics consist of Control Points which are connected through Lines or curves called Vector Path.	1.	Bitmap graphics consist of many tiny dots called Pixels.		
2.	These are used to form polygons and other shapes	2.	Digital images or scanned images are examples of these graphics.		
3.	It is possible to edit every shape object in different ways.	3.	It is possible to edit each and every pixel with help of bitmap graphics software.		
4.	Adobe Illustrator and Coral Draw are the examples for creating Vector Graphics.	4.	Adobe Photoshop is the best example for creating bitmap graphics.		
5.	File size is not dependent on image size	5.	File size is dependent on image size.		
6.	When a vector image is re-sized, then its quality does not decrease.	6.	When a bitmap graphics is re-sized, then its quality is gets decreased.		

VECTOR GRAPHICS

BITMAPPED (RASTER) GRAPHICS



Q:2 What is Desktop Publishing Software? Write about any two Desktop Publishing Softwares.

Ans: Desktop publishing (DTP) software is designed for creating visual communications such as newspapers, business cards, greeting cards, magazines, posters, books, and more for printing or on-screen. These software helps in creating the electronic form of the given information. Two commonly used Desktop Publishing softwares are as follows:

- Microsoft Publisher: Microsoft Publisher is a DTP application. In Microsoft Publisher, the emphasis is placed on page layout and design. The first version of Microsoft was released in the year 1991 by Microsoft.
- Adobe Photoshop: Adobe Photoshop is a desktop image editing software developed by Adobe Inc. It is widely
 considered as one of the most powerful image editors in the market. It has amazing photo editing tools that can
 take a photographer's pictures to the next level.

Q:3 What is the difference between Impact and Non-Impact printers?

Ans: Following are the common differences between the Impact and Non-Impact Printers:

Impact Printer	Non-Impact Printer		
1. Characters, graphics are printed on paper by striking.	1. Characters, graphics are printed on paper without striking.		
2. Printing is done by striking Printer-Head on the paper.	2. Printing is done by depositing ink on paper or by usin laser techniques.		
3. Electro-Mechanical devices are used for printing.	3. Non-Electro-Mechanical devices are used for printing.		
4. Impact Printers are slow in speed.	4. Non-Impacts are faster in speed.		
5. Impact Printers are very noisy	5. Non-Impact Printers are not very noisy		
6. Examples of Impact Printers are: DMP, Daisy-Wheel	6. Examples of Non-Impact Printers are: Inkjet Printers		
Printers, and line Printers.	and Laser Printers.		

Q:4 Give any six comparisons between Desktop Publishing and Word Processing Software.

Ans: Differences between Word Processing and Desktop Publishing:

Word Processing			Desktop Publishing		
1.	Word processing software allows users to create documents that contain mostly text.	 Desktop Publishing (DTP) software allows users t create documents that contain text and graphic where layout is important. 			
2.	It is less expensive.	2.	It is more expensive.		
3.	A word processor is a Text based Editor.	3. DTP is a Graphics based Editor.			
4.	Examples of Word processing documents are: simple memos, letters, resumes etc.	4.	Examples of Desktop Publishing documents are: newsletters, magazines, posters, brochures etc.		
5.	In Word Processor, text can be directly entered into the blank page.	 5. In Desktop publisher, frames are used to add text and images on the page 			
6.	Examples of Word Processing software are: Microsoft Word, Word Pro, Word Perfect etc.	6.	Examples of DTP software are: Adobe PageMaker, Microsoft Publisher, Adobe Photoshop etc.		

- Brochures
- News letters

- Banners
- Business cards

Chapter 7th Microsoft Publisher

Que: I Multiple Choice Questions:

1. Choose an application used to design and produce attractive advertising and promotional material.						
	a) Word Processor	b) Spreadsheet	<u>c) Publisher</u>	d) Presentation		
2.	is the predefined	model of publication?				
	<u>a) Template</u>	b) ClipArt	c) Object	d) Style		
3.	Now a days, brochures are also	available in electronic fo	ormat and are called	_		
	<u>a) e-brochures</u>	b) m-brochures	c) t-brochures	d) k-brochures		
4.	is stationery with a printed heading. The heading usually consists of a name, an address, and a logo.					
	<u>a) Letterhead</u>	b) Program	c) Invitation Card	d) Catalogue		
5.	. What are longer than resumes – at least two or three pages?					
	a) Curriculum Vita (CV)	b) Banner	c) Invitation Card	d) Catalogue		

Que:II Fill in the Blanks:

- 1. Advertising means how a company encourages people to buy their _____, services or ideas.
- 2. A ______ is a printed report containing news or information of the activities of a business or an organization.
- 3. Business cards are cards bearing business information about a _____ or _
- A resume provides a summary of our _____, work history, credentials, and other accomplishments and skills.
 is the most common document requested of applicants in job applications.
- Ans: 1. Products 2. News-Letter 3. Person, Organization
- 4. Education 5. Resume

Que:III Write True or False:

- 1. A Template is a tool used in Publisher to help us easily create basic publication.
- 2. Before exiting Publisher, we should not close all the publications.
- 3. A compliment card is a piece of card or high-quality paper used for advertising purpose.
- 4. Certificates of achievement, merit, and honor given to a person can be proved powerful tools for him when given at the right time and presented in the right way
- 5. Brochures are promotional documents, primarily used to introduce a company, organization, products or services to the public.
- Ans:
 1. True
 2. False
 3. False
 4. True
 5. True

Que:IV Short Answer type Questions:

Q:1 What is Publisher?

Ans: Publisher is a Desktop Application. The first version of Publisher was released in the year 1991 by Microsoft. In Microsoft Publisher, the emphasis is placed on page layout and design. It is used to design and produce attractive advertising and promotional material like letter heads, banners, posters, calendars, invitations, and newsletters and so on. This advertising and promotional material is called a publication.

Ans: Template is the default model of the Publication. A Template helps us to create a basic publication very easily. Many predefined design-styles are available in Templates. We can use these designs in publication without changing them or by making desirable changes in them. Many popular templates are available on office.com which can be

Q:2 How to start publisher using Run command?

downloaded to make high quality publications easily.

Ans: Following are the steps to start Publisher using Run command:

- 1. Press Window Key + R from the keyboard, it will open Run Command box.
- 2. Type MSPUB in it.
- 3. Press Enter Key from keyboard or Click on OK button of Run Command Box.

Q:3 Define Templates.

💷 Run	×
٨	Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.
<u>O</u> pen:	MSPUB ~
	OK Cancel <u>B</u> rowse

Q:5 What is Banner?

Ans: A banner is a long strip of cloth. Commonly, it bears a symbol, logo, slogan or other marketing message. Banners are commonly hung at public places. An online banner is a graphic image that announces the name or identity of a site. It is typically a rectangular advertisement placed on Web pages. It is generally linked to the web-site of advertiser.



Que:V Long Answer type Questions:

Q:1 Write about the main components of publisher window.

Ans: There are three most important components of Publisher window:

- 1. Quick Access Toolbar: This toolbar appears on the left side of the title bar. It contains frequently used commands. We can also customize this toolbar as per our requirement.
- 2. Ribbon: The ribbon appears as a panel at the top portion of publisher window. It has six tabs: Home, Insert, Page Design, Mailings, Review, and View. Each tab is divided into groups.
- 3. File Window: File Window appears when we click on the File Menu. This menu contains many options related to file, such New, Open, Print, Save, Save As, Exit etc.

P					Publication1 - Micros
File Home Insert	Page Design Mailings	Review	View		
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Clipboard 🕞	Font	5	Paragraph 🕞	Styles	Objects

Q:2 How to Print Publication? Write their steps.

Ans: Follow these steps:

- 1. Click on the File Menu \rightarrow Print or Press Ctrl + P
- 2. In the Print window, set the desired number of copies.
- 3. Choose any other Print Settings
- 4. Click Print button.

Q:3 What are Advertisements? Explain various print media used for advertisements.

Ans: An advertisement is also known as "ad" for short. Advertisement is an audio or visual form of marketing communication. Usually, it contains a message to promote or sell a product, service or idea. Various print media used for advertisement are:

- Brochures: A brochure is an informative paper used for advertising. It can be folded into a pamphlet or leaflet.
- News Letters: A newsletter is a printed report containing news or information of the activities of a business
- Banners: A banner is a long strip of cloth that bears a symbol, logo, slogan or other marketing message.
- Business Cards: It is a small card printed with one's name, occupation and business address etc.





