- N. B.: (1) <u>All</u> questions are <u>compulsory</u>.
  - (2) Make <u>suitable assumptions</u> wherever necessary and <u>state the assumptions</u> made.
  - (3) Answers to the <u>same question</u> must be <u>written together</u>.
  - (4) Numbers to the <u>**right**</u> indicate <u>**marks**</u>.
  - (5) Draw <u>neat labeled diagrams</u> wherever <u>necessary</u>.
  - (6) Use of <u>Non-programmable</u> calculators is <u>allowed</u>.

1.	Attempt <i>any three</i> of the following:	15
a	What is WWW? [1 marks]	
	Write difference between WWW and Internet. [4 marks]	
	<ul><li>Answer:</li><li>The World Wide Web (WWW) is an open source information space where documents and other web resources are identified by URLs, interlinked by hypertext links, and can be accessed via the Internet. The World Wide Web was invented by English scientist Tim Berners-Lee in 1989.</li><li>Many people use the terms Internet and World Wide Web interchangeably, but in fact the two terms are not synonymous. The Internet and the Web are two separate but related things.</li></ul>	
	What is The Internet? The Internet is a massive network of networks, a networking infrastructure. It connects millions of computers together globally, forming a network in which any computer can communicate with any other computer as long as they are both connected to the Internet. Information that travels over the Internet does so via a variety of languages known as protocols.	
	What is The Web (World Wide Web)? The World Wide Web, or simply Web, is a way of accessing information over the medium of the Internet. It is an information-sharing model that is built on top of the Internet. The Web uses the HTTP protocol, only one of the languages spoken over the Internet, to transmit data. Web services, which use HTTP to allow applications to communicate in order to exchange business logic, use the Web to share information. The Web also utilizes browsers, such as Internet Explorer or Firefox, to access Web documents called Web pages that are linked to each other via hyperlinks. Web documents also contain graphics, sounds, text and video.	
	<b>The Web is a Portion of The Internet</b> The Web is just one of the ways that information can be disseminated over the Internet. The Internet, not the Web, is also used for email, which relies on SMTP, Usenet news groups, instant messaging and FTP. So the Web is just a portion of the Internet, although a large portion, but the two terms are not synonymous and should not be confused.	
b	List and explain different types of CSS selectors with example. [5 marks] Answer:(Any Five:1 mark for each) CSS selectors are used to "find" (or select) HTML elements based on their element name, id, class, attribute, and more. 1)Element Selector: The element selector selects elements based on the element name. We can select all  elements on a page like this given below. In this case, all  elements will be center-aligned, with a red text color):	

	p {	
	text-align: center;	
	color: red;	
	} 2) Class Salaston	
	2) Class Selector:	
	To select elements with a specific class, write a period () character followed by the name of	
	the class	
	In the example below all HTML elements with class—"center" will be red and center-aligned:	
	enter f	
	text-align: center:	
	color: red:	
	}	
	3)ID Selector:	
	The id selector uses the id attribute of an HTML element to select a specific element.	
	The id of an element should be unique within a page, so the id selector is used to select one	
	unique element!	
	To select an element with a specific id, write a hash (#) character, followed by the id of the	
	element.	
	The style rule below will be applied to the HTML element with id="para1":	
	#para1 {	
	text-align: center;	
	color: red;	
	4)Grouping Selectors:	
	applied to both selectors:	
	h1 n {	
	text-align: center:	
	color: red:	
	}	
	5)Combining Selectors:	
	You can join some selectors to define even more specific rules:	
	• p.warning{} matches all paragraphs with the class of warning	
	• div#example{} matches the element with the id attribute example, but only when it is	
	a div.	
c.	Write short note on Uniform Resource Locator. [5 Marks]	
	Answer:	
	A URL (Uniform Resource Locator) is a form of URI and is a standardized naming convention	
	for addressing documents accessible over the Internet or Intranet. An example of a URL	
	is http://www.computerhope.com, which is the URL for the Computer Hope website.	
	Overview of a URL:	
	Below is additional information about each of the sections of the http URL for this page.	
	http://www.computerhope.com/jargon/u/url.htm	
	Protocol Subdomain Domain and domain suffix Directories Web page	
	• The http:// stands for Hyper Text Transfer Protocol and enables the browser to know	
	what protocol it is going to use to access the information specified in the domain. A URL is	
	not explicit to HTTP addresses; HTTPS, FTP, TFTP, Telnet, and other addresses are also	
	considered URLs and may not follow the same syntax as our example.	

	<ul> <li>www. stands for World Wide Web and is used to distinguish the content. This portion of the URL is not required and many times can be left out. For example, typing "http://computerhope.com" would still get you to the Computer Hope web page. This portion of the address can also be substituted for an important subpage known as a subdomain. For example, http://support.microsoft.com is the support section of Microsoft's website.</li> <li>computerhope.com is the domain name for the website. The last portion of the domain is known as the "domain suffix", or TLD, and is used to identify the type or location of the website. For example, .com is short for commercial, .org is short for organization, and .uk is United Kingdom. There are dozens of other domain suffixes available. To get your own domain you would register the name through a domain registrar.</li> <li>The jargon and u portions of the above URL are the directories of where on the server the web page is located. In this example, the web page is two directories deep, so if you were trying to find the file on the server, it would be in the <i>/public_html/jargon/u</i> directory.</li> <li>url.htm is the actual web page on the domain you're viewing. The trailing .htm is the file extension of the web page that indicates the file is an HTML file. Other common file extensions performs a different function, just like all the different types of files on your computer.</li> </ul>	
d	Explain the following HTML tags with the help of example: [5 marks-1 mark each]	
	Answer:	
	<ul> <li>(i) &lt; br&gt;&gt; inserts a single line break.</li> <li>The &gt; tag is an empty tag which means that it has no end tag.</li> <li>Example: A line break is marked up as follows:</li> <li>This text contains a line break.</li> </ul>	
	<ul> <li>(ii) <pre> tag defines preformatted text.</pre></li> <li>Text in a <pre> is displayed in a fixed-width font (usually Courier), and it preserves both spaces and line breaks.</pre></li> <li>Example:</li> <li><pre></pre></li> <li>This is preformatted text.</li> </ul>	
	(iii) <h6> tag defines the least important heading.</h6>	
	Example: <h6>This is a heading</h6>	
	<ul> <li>(iv)  tag defines a paragraph</li> <li>Example:</li> <li>This is a paragraph</li> </ul>	
	<ul> <li>(v) <a> tag defines a hyperlink, which is used to link from one page to another. The most important attribute of the <a> element is the href attribute, which indicates the link's destination.</a></a></li> <li>Example: <a href="http://www.w3schools.com">Visit W3Schools.com!</a></li> </ul>	
e.	What is proxy server? [1 Mark]	
	Discuss its application with reference to internet [4 Marks]	

	Answer:
	In a computer network a proxy server is a server (a computer system or an application
	program) that acts as an intermediary for requests from clients seeking resources from other servers.
	• A client connects to the proxy server, requesting some service, such as a file, connection, web
	• The proxy server evaluates the request according to its filtering rules. For example, it may
	filter traffic by IP address or protocol.
	• If the request is validated by the filter, the proxy provides the resource by connecting to the relevant server and requesting the service on behalf of the client.
	• A proxy server may optionally alter the client's request or the server's response, and sometimes it may serve the request without contacting the specified server.
	• In this case, it 'caches' responses from the remote server, and returns subsequent requests for the same content directly.
	A proxy server has a large variety of potential purposes, including:
	• To keep machines behind it anonymous (mainly for security).
	• To speed up access to resources (using caching). Web proxies are commonly used to cache web pages from a web server.
	• To apply access policy to network services or content, e.g. to block undesired sites
	• To log / audit usage, i.e. to provide company employee Internet usage reporting.
	• To bypass security/ parental controls.
	• To scan transmitted content for malware before delivery.
	• To scan outbound content, e.g., for data leak protection.
	• To circumvent regional restrictions.
f	Explain different types of lists evoluble in UTML with the below of example [5 Marka]
1.	A newor:
	There are three types of lists available in HTML: Ordered Lists Unordered Lists
	Description/Definition Lists
	(1) Ordered Lists
	An ordered list is also a list of items. The list items are marked with numbers.
	An ordered list starts with the $\langle 01 \rangle$ tag. Each list item starts with the $\langle 11 \rangle$ tag.
	<li><li>Coffee</li></li>
	<li>Milk</li>
	The <b>type</b> attribute of <ul> tag can take the following values:</ul>
	1: The list items will be numbered with numbers (default)
	A: The list items will be numbered with numbers (default)
	a: The list items will be numbered with numbers (default)
	I: The list items will be numbered with numbers (default)
	i: The list items will be numbered with numbers (default)
	(2) Unordered Lists
	An unordered list is a list of items. The list items are marked with bullets (typically small
	black circles).
	An unordered list starts with the $\langle u \rangle$ tag. Each list item starts with the $\langle l \rangle$ tag.
	<u></u>

	<li>Coffee</li>	/li>				
	<li>Milk</li>	>				
		cub tag can take the following velves:				
	disc: Sets the list item	<ul> <li><ul> <li><ul> <li>tag can take the following values:</li> <li>marker to a bullet (default)</li> </ul> </li> </ul></li></ul>				
	circle. Sets the list ite	marker to a circle				
	square: Sets the list it	em marker to a square.				
	(3) Definition Lists					
	A definition list is no	t a list of single items. It is a list of items (terms), with a description of				
	each item (term).					
	A definition list starts	s with a <dl> tag (definition list).</dl>				
	Each term starts with	a <dt> tag (definition term).</dt>				
	Each description start	ts with a $<$ dd> tag (definition description).				
	<dl></dl>					
	<dt>W W V<!--</th--><th>dt&gt;</th><th></th></dt>	dt>				
	<ul> <li><ul> <ul> <li><ul></ul></li></ul></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul>	vide web				
2.	Attempt <u>any three</u> of t	the following:	15			
a.	How to format and po	sition a division on a web page? Explain with example. [5 Marks]				
	Answer:					
	The <div> tag defines a division of a section in an HTML document. The <div> element is often used as a container for other HTML elements to style them with CSS to layout a web page. Formatting Divisions: You can use style attribute in <div> tag to specify the font family, font style, font weight, alignment, color etc.</div></div></div>					
	Example:					
	<pre><div style="font-family: georgia,garamond,serif; font-weight:bold; font size:large;&lt;br&gt;background-color:lightblue"></div></pre>					
	<b>Positioning a Division on the Page:</b> If you need a division to be in a specific spot on the page, use the position style rule, which has three possible values:					
	Attribute     Description					
	position: absolute	This value specifies a fixed position with respect to the parent				
element. Unless the element is within some other tag, the parer						
	element is generally the <body> tag; in this case, the element</body>					
1						
		would have a fixed position relative to				

	position: relative	T O	his value s ther eleme	pecifies ar ents on the	n offset from the element's natural position. page are not affected, even if the new		
		po	osition cau	ses elemer	nts to overlap.		
	position: fixed	TI th	This value specifies a fixed position within the browser window that doesn't change even when the display is scrolled up or down.				
	Example:						
	<div style="position&lt;br&gt;This div has abs&lt;br&gt;&lt;/div&gt;&lt;/th&gt;&lt;th&gt;on:absolute&lt;br&gt;solute posi&lt;/th&gt;&lt;th&gt;e; left:80p&lt;br&gt;tioning.&lt;/th&gt;&lt;th&gt;x; top:20p&lt;/th&gt;&lt;th&gt;x;background color:yellow"></div>						
b.	Write HTML cod	le to desig	n given w	eb page u	sing Table tags. [5 Marks]		
		Sales Rep	ort				
	ITEM CODE	UNITS	RATE	SALES			
	1	2	100	200			
	2	5	50	250			
	3	10	250	2500			
		To	tal Sales	2950			
				•	-		
	<td <="" <td="" align="cent" th=""><th>" align="ce er"&gt;ITEM er"&gt;UNIT er"&gt;RATE er"&gt;SALE</th><th>enter" &gt;Sal CODES S S</th><th>les Report∙ d&gt;</th><th></th><th></th></td>	<th>" align="ce er"&gt;ITEM er"&gt;UNIT er"&gt;RATE er"&gt;SALE</th> <th>enter" &gt;Sal CODES S S</th> <th>les Report∙ d&gt;</th> <th></th> <th></th>	" align="ce er">ITEM er">UNIT er">RATE er">SALE	enter" >Sal CODES S S	les Report∙ d>		
	<td align="cent&lt;/th&gt;&lt;th&gt;er">1</td>	1	>				
	<td align="cent&lt;/th&gt;&lt;th&gt;er">2</td>	2	>				
100							
	200						
		an" > 2 ///d>					
	<td align="cent&lt;/th&gt;&lt;th&gt;er &gt;2&lt;/10&gt;&lt;/th&gt;&lt;th&gt;&gt;&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;&lt;ul&gt;     &lt;li&gt;&lt;u align=" cent<="" li=""> <li> </li></td>	<li> </li>	c1 >J 10 er"\50//+2	>  <			
	<ul> <li><u align="cent&lt;/li&gt;     &lt;li&gt;&lt;id align=" cent<="" li=""> </u></li></ul>	€1 20€/10 er"\2502/4	∠ d∖				
	<u angli="cent&lt;/td"><td>⊂i <i>&gt;23</i>0<!--1</td--><td>u&gt;</td><td></td><th></th><td></td></td></u>	⊂i <i>&gt;23</i> 0 1</td <td>u&gt;</td> <td></td> <th></th> <td></td>	u>				
	<u> </u>						

	3	
	10	
	250	
	2500	
	Total Sales	
	2950	
c.	How will you create graphical navigation bar? Explain with example. [5 Marks]	
	Answer:	
	Creating a Graphical Navigation Bar	
	HTML5 includes a <nav> tag to place the code for a navigation bar. The <nav> tag is designed</nav></nav>	
	to help browsers and style sheets identify sets of links as a navigational element, and handle	
	them appropriately.	
	To create graphical navigation bar use $\langle img \rangle$ tag within the $\langle a \rangle$ tag, like this:	
	<a href="product.htm"><img src="product_button.gif"/></a>	
	The example below adds a graphic-based navigation bar to the html page	
	In Notepad, in the upper navigation bar, change the hyperlinks so that they reference the button	
	graphics in the /images folder rather than displaying text.	
	<nav></nav>	
	<hr/>	
	<a href="index.htm"><img src="images/btn_home.gif" style="border:none"/></a>	
	<a href="tips.htm"><img src="images/btn_tips.gif" style="border:none"/></a>	
	<a href="problems.htm"><img src="images/btn_problem.gif" style="border:none"/></a>	
	<a href="products.htm"><img src="images/btn_products.gif" style="border:none"/></a>	
	<a href="about.htm"><img src="images/btn_about.gif" style="border:none"/></a>	
	<a href="contact.htm"><img src="images/btn_contact.gif" style="border:none"/></a>	
	<hr/>	
	The above code reference the button graphics in the /images folder rather than displaying text.	
	Output:	

Ex An <a Th Cu At</a 	<b>xplain <audio></audio></b> nswer: nudio> tag ne <audio> tag contractions tag contrac</audio>	and <video> t defines sound, s re 3 supported f</video>	ags in HTML 5. [5 Marks] uch as music or other audio streams. ile formats for the <audio> element: MP3, Wav, and Ogg:</audio>
	Attribute	Value	Description
	autoplay	autoplay	Specifies that the audio will start playing as soon as it is ready
	<u>controls</u>	controls	Specifies that audio controls should be displayed (such as a play/pause button etc)
	loop	loop	Specifies that the audio will start over again, every time it is finished
	muted	muted	Specifies that the audio output should be muted
	<u>preload</u>	auto metadata none	Specifies if and how the author thinks the audio should be loaded when the page loads
	src	URL	Specifies the URL of the audio file
Ex <h <b <au <su <su <su </su </su </su </au </b </h 	tml> ody> udio controls> ource src="hors ource src="hors our browser doe audio> > <strong>Note rsions.</strong>	se.ogg" type="a se.mp3" type="a ss not support th :: The	udio/ogg"> audio/mpeg"> ae audio element. audio tag is not supported in Internet Explorer 8 and earlier

Attribute	Value	Description
autoplay	autoplay	Specifies that the video will start playing as
autoplay	autopiay	soon as it is ready
<u>controls</u>	controls	Specifies that video controls should be displayed (such as a play/pause button etc).
<u>height</u>	pixels	Sets the height of the video player
loop	Іоор	Specifies that the video will start over again, every time it is finished
muted	muted	Specifies that the audio output of the video should be muted
poster	URL	Specifies an image to be shown while the video is downloading, or until the user hits the play button
preload	auto metadata none	Specifies if and how the author thinks the video should be loaded when the page loads
src	URL	Specifies the URL of the video file
width	pixels	Sets the width of the video player
Example <html> <body> <video mov<br="" width="32&lt;br&gt;&lt;source src="><source co<br="" height="240" src="mov&lt;/th&gt;&lt;th&gt;20"/>vie.mp4" type="vid vie.ogg" type="vide</video></body></html>	ontrols> eo/mp4"> eo/ogg">	
Example <html> <body> <video mov<br="" width="32&lt;br&gt;&lt;source src=">Your browser </video> <strong>Note:The video tag is r </strong></body> </html>	20" height="240" co vie.mp4" type="vid vie.ogg" type="vid does not support th strong> not supported in Inte	ontrols> eo/ogg"> ne video tag. ernet Explorer 8 and earlier versions.
Example <html> <body> <video mov<br="" width="32&lt;br&gt;&lt;source src=">Your browser </video> <strong>Note:The video tag is r </strong></body> </html> Write HTML Co Answer:	20" height="240" co vie.mp4" type="vid vie.ogg" type="vid does not support th strong> not supported in Inte ode to design a wel	ontrols> eo/ogg"> he video tag. ernet Explorer 8 and earlier versions.
Example <html> <body> <video mov<br="" width="32&lt;br&gt;&lt;source src="><source planet"<br="" src="mov&lt;br&gt;Your browser&lt;br&gt;&lt;/video&gt;&lt;br&gt;&lt;strong&gt;Note:&lt;/s&lt;br&gt;The video tag is r&lt;br&gt;&lt;/body&gt;&lt;br&gt;&lt;/html&gt;&lt;br&gt;Write HTML Co&lt;br&gt;Answer:&lt;br&gt;&lt;html&gt;&lt;br&gt;&lt;head&gt;&lt;br&gt;&lt;title&gt; image-ma&lt;br&gt;&lt;/head&gt;&lt;br&gt;&lt;title&gt; image-ma&lt;br&gt;&lt;/head&gt;&lt;br&gt;&lt;tody&gt;&lt;br&gt;&lt;img src="/><map name="re&lt;br&gt;&lt;area shape=" re"<="" td=""><td>20" height="240" co vie.mp4" type="vid vie.ogg" type="vide does not support th strong&gt; not supported in Inte <b>ode to design a wel</b> ap es.gif" width="145" unetmap"&gt; ect" coords="0,0,82 ircle" coords="90 5</td><td><pre>ontrols&gt; eo/mp4"&gt; bo/ogg"&gt; ne video tag.</pre> ernet Explorer 8 and earlier versions. ernet Explorer 8 and earlier versions. b page with Imagemaps. [5 Marks] height="126" alt="Planets" usemap="#planetmap"&gt; .126" href="sun.htm" alt="Sun"&gt; .126 href="sun.ht</td></map></video></body></html>	20" height="240" co vie.mp4" type="vid vie.ogg" type="vide does not support th strong> not supported in Inte <b>ode to design a wel</b> ap es.gif" width="145" unetmap"> ect" coords="0,0,82 ircle" coords="90 5	<pre>ontrols&gt; eo/mp4"&gt; bo/ogg"&gt; ne video tag.</pre> ernet Explorer 8 and earlier versions. ernet Explorer 8 and earlier versions. b page with Imagemaps. [5 Marks] height="126" alt="Planets" usemap="#planetmap"> .126" href="sun.htm" alt="Sun"> .126 href="sun.ht

```
</body>
    </html>
f.
    List and explain any five HTML Form controls with example. [5 Marks]
    Answer:
     There are different types of form controls that can be used to collect data using HTML <form>
    tag -
     (1) Text Input Control:
     This control is used for items that require only one line of user input, such as search boxes or
     names. They are created using HTML <input> tag.
     Example:
     <input name="firstname" type="text">
     Output: First name:
     (2) Checkboxes Control:
     Checkboxes are used when more than one option is required to be selected. They are also
     created using HTML <input> tag but type attribute is set to checkbox.
     Example:
     <form>
          <input type = "checkbox" name = "maths" value = "on"> Maths
          <input type = "checkbox" name = "physics" value = "on"> Physics
     </form>
    Output: <sup>C</sup> Maths <sup>C</sup> Physics
    (3) Radio Box Control:
     Radio buttons are used when out of many options, just one option is required to be selected.
    They are also created using HTML <input> tag but type attribute is set to radio.
     Example:
     <form>
          <input type = "radio" name = "subject" value = "maths"> Maths
          <input type = "radio" name = "subject" value = "physics"> Physics
     </form>
     Output: <sup>O</sup> Maths <sup>O</sup>
                             Physics
     (3) Select Box Control:
     A select box, also called drop down box which provides option to list down various options
     in the form of drop down list, from where a user can select one or more options
     Example:
    <form>
         <select name = "dropdown">
           <option value = "Maths" selected>Maths</option>
           <option value = "Physics">Physics</option>
         </select>
    </form>
```

	Output: (5) Button Control: The <button> Control defines a clickable button Example:</button>						
	<pre>chutton type="button" onclick="alert('Hello World!')"&gt;Click Mel</pre>						
	  dution type= button onclick= alert( Helio world! ) >Click Me!						
	Output:						
3.	Attempt <u>any three</u> of the following:	15					
a.	Write a short note on "forin" looping statement in JavaScript. [5 Marks]						
	Answer:						
	The forin statement loops through the elements of an array or through the properties of an object.						
	Syntax						
	for (variable in object)						
	code to be executed						
	}						
	• The code in the body of the forin loop is executed once for each element/property.						
	• The variable argument can be a named variable, an array element, or a property of an object.						
	• In each iteration, one property from <b>object</b> is assigned to <b>variable</b> and this loop continues till all the properties of the object are exhausted.						
	Example:						
	Use of forin statement to loop through an array:						
	<html></html>						
	<body></body>						
	<script type="text/javascript"></script>						

	Output:	
	Saab	
	Volvo	
b.	BMW Write a program in JavaScript to accept a sentence from the user and display the number	
~.	of words in it. (Do not use split ( ) function). [5 Marks]	
	Answer:	
	html	
	<html></html>	
	<head></head>	
	<title>Without using split function</title>	
	<script></th><th></th></tr><tr><th></th><th><pre>var str=prompt("Enter the sentence=","");</pre></th><th></th></tr><tr><th></th><th>var count=0;</th><th></th></tr><tr><th></th><th>for(i=0;i<str.length;i++)</th><th></th></tr><tr><th></th><th>{</th><th></th></tr><tr><th></th><th>if(str.charAt(i,1)==" " && str.charAt(i+1,1)!=" ")</th><th></th></tr><tr><th></th><th>count++;</th><th></th></tr><tr><th></th><th>}</th><th></th></tr><tr><th></th><th><pre>document.write("Number of words are="+(count+1));</pre></th><th></th></tr><tr><th></th><th></script>	
	<body></body>	
c.	Explain following events: [5 Marks:1 Mark each]	
	Answer:	
	(i)onclick:	
	This event occurs when user clicks an HTML element like a link or a button.	
	(ii) onfocus:	
	This event occurs when an HTML element like document or text fields or textarea or selection	
	receives current focus.	
	(iii) onmouseover:	
	This event occurs when user moves the mouse over an HTML element like image.	

	(iv) onload:						
	This event occurs when the browser has finished loading the page or document.						
	(v) onerror:						
	This event occurs when an error occurs.						
	Example:						
	<input onclick="sayHello()" type="button" value="Say Hello"/>						
-	Write a JavaSarint meansmucing waring matheda of Data Object [5 Markel						
a.	Answer:						
	JavaScript program:						
	<html></html>						
	<body></body>						
	<script language="javascript"></th><th></th></tr><tr><th></th><th><pre>var d = new Date();</pre></th><th></th></tr><tr><th></th><th>document.write("Today's date and time:"+d+" ");</th><th></th></tr><tr><th></th><th>document.write("Day:-"+d.getDate()+" ");</th><th></th></tr><tr><th></th><th><pre>document.write("Day of week:-"+d.getDay()+" ");</pre></th><th></th></tr><tr><th></th><th>document.write("Year:-"+d.getFullYear()+" ");</th><th></th></tr><tr><th></th><th><pre>document.write("Hours:-"+d.getHours()+" ");</pre></th><th></th></tr><tr><th></th><th><pre>document.write("Minutes:-"+d.getMinutes()+" ");</pre></th><th></th></tr><tr><th></th><th>document.write("Month:-"+d.getMonth()+" ");</th><th></th></tr><tr><th></th><th><pre>document.write("Seconds:-"+d.getSeconds()+" ");</pre></th><th></th></tr><tr><th></th><th><pre>document.write("Time:-"+d.getTime()+" ");</pre></th><th></th></tr><tr><th></th><th>d.setDate(20)</th><th></th></tr><tr><th></th><th>document.write("Set Date:-"+d+" ");</th><th></th></tr><tr><th></th><th>d.setFullYear(2018);</th><th></th></tr><tr><th></th><th>document.write("Set FullYear:-"+d+" ");</th><th></th></tr><tr><th></th><th>d.setHours(12);</th><th></th></tr><tr><th></th><th>d.setMinutes(46);</th><th></th></tr><tr><th></th><th>d.setMonth(4);</th><th></th></tr><tr><th></th><th>d.setSeconds(12);</th><th></th></tr><tr><th></th><th>document.write("Modified Date:-"+d);</th><th></th></tr><tr><th></th><th></script>						
	10day s date and time: Thu Feb 4 $08:0/:33 \cup 1C+0530 2016$						
	Day:-4						
	Day of week:-4						
	Year:-2010						

Hours:-8				
Minutes:-7				
Month:-1				
Seconds:-33				
Time:-1454553453419				
Set Date:-	Sat Feb 20 08:07:33 UTC+0530 2016			
Set FullYe	ear:-Tue Feb 20 08:07:33 UTC+0530 2	2018		
Modified.	Date:-Sun May 20 12:46:12 UTC+053	0 2018		
Write a short note on comparison and logical operators in JavaScript. [5 Marks]         Answer:				
Compariso	on and Logical operators are used to te	st for true or false.		
Comnaria	son Operators			
Compariso	on operators are used in logical stateme	nts to determine equality or	difference between	
Comparison operators are used in logical statements to determine equality or difference between				
variables of	or values.	variables of values.		
variables of	or values.			
variables of Given that	or values. t <b>x=5</b> , the table below explains the con	parison operators:		
variables of Given that <b>Operator</b>	or values. t <b>x=5</b> , the table below explains the com Description	nparison operators: Example		
variables of Given that <b>Operator</b>	<ul> <li>br values.</li> <li>x=5, the table below explains the com</li> <li>Description</li> <li>is equal to</li> </ul>	Inparison operators:Examplex= =8 is false		
variables of Given that Operator	<ul> <li>br values.</li> <li>x=5, the table below explains the com</li> <li>Description</li> <li>is equal to</li> <li>is exactly equal to (value and type)</li> </ul>	Inparison operators:Example $x = = 8$ is false $x = = -5$ is true		
Given that Operator == ===	<ul> <li>br values.</li> <li>x=5, the table below explains the com</li> <li>Description <ul> <li>is equal to</li> <li>is exactly equal to (value and type)</li> </ul> </li> </ul>	Inparison operators:Example $x = =8$ is false $x = =5$ is true $x = = -5$ is true $x = = -5$ is true		
variables of Given that Operator	<ul> <li>br values.</li> <li>x=5, the table below explains the com</li> <li>Description</li> <li>is equal to</li> <li>is exactly equal to (value and type)</li> </ul>	Imparison operators:Example $x = =8$ is false $x = =5$ is true $x = =5$ is true $x = ="5"$ is false		
variables of Given that Operator $==$ $===$ $!=$	<ul> <li>br values.</li> <li>x=5, the table below explains the com</li> <li>Description <ul> <li>is equal to</li> <li>is exactly equal to (value and type)</li> <li>is not equal</li> </ul> </li> </ul>	Inparison operators:Example $x = =8$ is false $x = =5$ is true $x = =5$ is true $x = = "5"$ is false $x!=8$ is true		
variables of Given that Operator = = = = != >	<ul> <li>br values.</li> <li>x=5, the table below explains the com</li> <li>Description <ul> <li>is equal to</li> <li>is exactly equal to (value and type)</li> </ul> </li> <li>is not equal <ul> <li>is greater than</li> </ul> </li> </ul>	Inparison operators:Example $x = =8$ is false $x = =5$ is true $x = =5$ is true $x = ="5"$ is false $x!=8$ is true $x>8$ is false		
variables of Given that Operator = = = = = != > <	<ul> <li>br values.</li> <li>x=5, the table below explains the com</li> <li>Description <ul> <li>is equal to</li> <li>is exactly equal to (value and type)</li> </ul> </li> <li>is not equal <ul> <li>is greater than</li> <li>is less than</li> </ul> </li> </ul>	Inparison operators:Example $x = =8$ is false $x = =5$ is true $x = =5$ is true $x = ="5"$ is false $x!=8$ is true $x > 8$ is false $x < 8$ is true		
variables of Given that Operator = = = = = != > < >= <	<ul> <li>br values.</li> <li>x=5, the table below explains the com</li> <li>Description <ul> <li>is equal to</li> <li>is equal to</li> <li>is exactly equal to (value and type)</li> </ul> </li> <li>is not equal <ul> <li>is greater than</li> <li>is less than</li> <li>is greater than or equal to</li> </ul> </li> </ul>	Inparison operators:Example $x = =8$ is false $x = =8$ is false $x = =5$ is true $x = ="5"$ is false $x!=8$ is true $x > 8$ is false $x < 8$ is true $x >=8$ is false		

Comparison operators can be used in conditional statements to compare values and take action depending on the result:

if (age<18) document.write("Too young");

## **Logical Operators**

Logical operators are used to determine the logic between variables or values. Given that x=6 and y=3, the table below explains the logical operators:

		Operator	Description	Example		
		&&	and	(x < 10 && y > 1) is true		
			or	(x==5    y==5) is false		
		!	not	!(x==y) is true		
f.	List	various fea	atures of Java	Script. [5 Marks]		
	Ansv • Ja co in wi • Ja (C • ]	ver: vascript is mmonly us teract with th object-o vascript tha CJS) and ja The <u>ECMA</u> JavaScri Designed Complet Complet Open an	a dynamic of sed as a part of the user and r priented capabi at runs at the avascript that p -262 Specifican pt is a lightwe d for creating p mentary to and mentary to and d cross-platfor	computer programming language. It is of web pages, whose implementations all nake dynamic pages. It is an interpreted lities. client side (ie at the client's browser) is runs at the server is serverside java script ation defined a standard version of the con- ight, interpreted programming language. hetwork-centric applications.	lightweight and most low client-side script to programming language s client side java script (SSJS) re JavaScript language.	
	Adva	ntages of Ja	vaScript	n – Vou oon validata usar innut hafara	conding the page off to	
	•	the serve	er. This saves	server traffic, which means less load on y	your server.	
	•	<b>Immedi</b> if they h	ate feedback a ave forgotten	to the visitors – They don't have to wait to enter something.	for a page reload to see	
	•	Increase over the	ed interactivity of with a mou	ty – You can create interfaces that reactive se or activates them via the keyboard.	t when the user hovers	
	•	Richer i compon	interfaces – Y ents and slider	You can use JavaScript to include such it rs to give a Rich Interface to your site vis	items as drag-and-drop itors.	
4.	Atter	npt <u>any th</u>	<u>ree</u> of the foll	owing:		15
a.	Wha Writ Ansv	t is PHP ? e the adva ver:	[1 Mark] ntages of usin	g PHP for server-side web scripting. [4	4 Marks]	

The PHP Hypertext Preprocessor (PHP) is a programming language that allows web developers to create dynamic content that interacts with databases. PHP is basically used for developing web based software applications. This tutorial helps you to build your base with PHP.

## **Advantages of PHP**

b.

<ul> <li>Open source: It is developed and maintained by a large group of PHP developers, this will helps in creating a support community, abundant extension library.</li> <li>Speed: It is relative fast since it uses much system resource.</li> <li>Easy to use: It uses C like syntax, so for those who are familiar with C, it's very easy for them to pick up and it is very easy to create website scripts.</li> <li>Stable: Since it is maintained by many developers, so when bugs are found, it can be quickly fixed.</li> <li>Powerful library support: You can easily find functional modules you need such as PDF, Graph etc.</li> <li>Built-in database connection modules: You can connect to database easily using PHP, since many websites are data/content driven, so we will use database frequently, this will largely reduce the development time of web apps.</li> <li>Can be run on many platforms, including Windows, Linux and Mac, it's easy for users to find hosting service providers.</li> </ul>	
Write a PHP code to find the greater of two numbers. Accept the numbers from the user. [5 Marks] Answer: Input.html <html> <head> <title>Greater of two no.s</title> </head> <body> <form action="check.php" method="post"> 1st Number: <input name="n1" type="text"/> 2nd Number: <input name="n1" type="text"/> <input type="submit" value="Check"/> </form> </body> </html>	_
<pre>check.php </pre> \$n1=(int)\$_POST['n1'];  \$n2=(int)\$_POST['n2'];  if(\$n1>\$n2)  echo \$n1." is greater than ".\$n2;  else if(\$n2>\$n1)	

	echo \$n2." is greater than ".\$n1;	
	else	
	echo "Both the numbers are equal";	
	?>	
c.	Explain any five string functions available in PHP with example. [5 Marks]	
	Answow Any Five string functions with one example each [1 mark for each]	
	Answer: Any rive string functions with one example each [1 mark for each]	
	(1) strlen() function returns the length of a string.	
	Example:	
	php</td <td></td>	
	echo strlen("Hello");	
	?>	
	Output:5	
	(2)substr() function returns a part of a string.	
	Example:	
	<:pup echo substr("Hello world" 6):	
	2>	
	Output: world	
	(3)strcmp() function compare two strings(case-sensitive).	
	Example:	
	php</td <td></td>	
	echo strcmp("Hello world!","Hello world!");	
	Output:0	
	(4) str replace() function replaces a part of a string with another string.	
	Example:	
	php</td <td></td>	
	echo str_replace("world","Peter","Hello world!");	
	?>	
	Output: Hello Peter!	
	(5) strtolower() function converts a string to lowercase letters.	
	Example:	
	<: pup echo strtolower("HELLO WORLD"):	
	<pre>?&gt;</pre>	
	Output:	
	hello world	
d.	What are the different methods available in PHP for passing the information from one	
	page to another? Explain. [5 Marks]	
	Answer:	
	There are two different methods available in PHP for passing the information from one page to	
	other:	
1	• The GET Method	

The POST Method
The GET Method:
• In GET method the data is sent as URL parameters that are usually strings of name and
value pairs separated by ampersands (&). In general, a URL with GET data will look
like this:
• http://www.example.com/action.php?name=john&age=24
• Since the data sent by the GET method are displayed in the URL, it is possible to
bookmark the page with specific query string values
• The GFT method is not suitable for passing sensitive information such as the username
and password because these are fully visible in the URL query string as well as
notentially stored in the client browser's memory as a visited page
<ul> <li>Because the GFT method assigns data to a server environment variable, the length of</li> </ul>
the LIRL is limited. So, there is a limitation for the total data to be sent
• Evemple:
• Example: "Cot html":
chtml
<pre><body> </body></pre> <pre><form action="walcome_get nhn" method="get"></form></pre>
Nome: <input nome="nome" type="text"/>
F mail: <input name="amail" type="text"/> <br< td=""></br<>
cinput type="ext_liance="entant ><01>
<input type="subinit"/>
Viluin>
<pre>/html&gt;</pre>
Welcome
~ <sup>2</sup> nhp
echo \$ GET["name"]: ?~/hr>
Vour email address is: $<$ ?nhn echo \$ GET["email"]:
$\gamma_{\gamma}$
The POST Method:
• In POST method the data is sent to the server as a package in a separate communication
with the processing script. Data sent through POST method will not visible in the URI
<ul> <li>Advantages and Disadvantages of Using the POST Method</li> </ul>
<ul> <li>Advantages and Disadvantages of Osing the FOST Method.</li> <li>It is more secure than GET because user entered information is never visible in the UPL</li> </ul>
• It is more secure than OET because user-entered information is never visible in the OKE
<ul> <li>There is a much larger limit on the amount of data that can be needed and one can cond</li> </ul>
• There is a much larger mint on the amount of data that can be passed and one can send toyt data as well as binery data (upleading a file) using DOST
Since the date cent by the DOCT method is not visible in the UDL as it is a fill
• Since the data sent by the POST method is not visible in the URL, so it is not possible to be always the name with amorific and we
to bookmark the page with specific query.
• Example:
"Post.ntml"
<pre><douy> </douy></pre> <pre>cform action="walcome nhn" mathed "act"&gt;</pre>
<10rm acuon= weicome.pnp method= post >

	Name: <input name="name" type="text"/>	
	E-mail: <input name="email" type="text"/>	
	<input type="submit"/>	
	"welcome.php":	
	<html></html>	
	<body></body>	
	Welcome	
	php</th <th></th>	
	echo \$ POST["name"]; ?>	
	Your email address is: php echo \$ POST["email"];</th <th></th>	
	?>	
e.	Write a short note on PHP data types. [5 Marks]	
	Answer:	
	Variables can store data of different types, and different data types can do different things.	
	PHP supports the following data types:	
	PHP String	
	A string is a sequence of characters, like "Hello world!".	
	Example: $x = "Hello world!":$	
	PHP Integer	
	An integer data type is a non-decimal number between -2,147,483,648 and 2,147,483,647.	
	Example: $x = 5985;$	
	PHP Float	
	A float (floating point number) is a number with a decimal point or a number in exponential	
	form.	
	Example: $x = 10.365$ ;	
	PHP Boolean	
	A Boolean represents two possible states: TRUE or FALSE.	
	Example:	
	x = true;	
	y = false;	
	PHP Array	
	An array stores multiple values in one single variable.	
	Example: \$cars = array("Volvo","BMW","Toyota");	
	PHP Object	
	An object is a data type which stores data and information on how to process that data.	
	In PHP, an object must be explicitly declared.	
	Example:	
	php</th <th></th>	
	class Car {	
	function Car() {	

	\$this->model = "VW";	
	}	
	}	
	// create an object	
	sherble – new Car(),	
	// show object properties	
	echo \$herbie->model;	
	?>	
	PHP NULL Value	
	Null is a special data type which can have only one value: NULL.	
f	Example: $\delta x = \text{null}$ ; Explain associative array in <b>PHP</b> with the help of example [5 Marks]	
1.	Answer:	
	• Associative arrays are arrays that use named keys that you assign to them.	
	• An associative array each ID key is associated with a value	
	<ul> <li>When storing data about specific named values, a numerical array is not always the best</li> </ul>	
	• When storing data about specific named values, a numerical array is not always the best way to do it	
	With associative empty we can use the values as have and assign values to them	
	• With associative arrays we can use the values as keys and assign values to them.	
	• There are two ways to create an associative array:	
	Example 1	
	In this example we use an array to assign ages to the different persons:	
	ages = array("Peter"=>32, "Quagmire"=>30, "Joe"=>34);	
	Example 2	
	This example is the same as example 1, but shows a different way of creating the array:	
	sages['Peter'] = "32":	
	sages['Ouagmire'] = "30":	
	sages['Joe'] = "34":	
	The ID keys can be used in a script:	
	php</th <th></th>	
	\$ages['Peter'] = "32";	
	<pre>\$ages['Quagmire'] = "30";</pre>	
	\$ages['Joe'] = "34";	
	echo "Peter is ". \$ages['Peter']. " years old.";	
	!>	
	The code above will output:	
	Peter is 32 years old.	
	•	
5.	Attempt <u>any three</u> of the following:	15
a.	Explain following PHP/MYSQL functions: [5 Marks:1 Mark each]	
	Answer:	

	(i) <b>mysql_connect-</b> PHP provides <b>mysql_connect</b> function to open a database connection. <b>Syntax:</b>	
	mysql_connect(server,user,password);	
	(ii) <b>mysql_close-</b> PHP provides function <b>mysql_close</b> to close a database connection. <b>Syntax:</b>	
	mysql_close ( resource \$link_identifier );	
	(iii) <b>mysql_query-</b> PHP uses <b>mysql_query</b> function to create a MySQL database and table. Syntax:	
	mysql_query( sql, connection );	
	(iv) <b>mysql_select_db-</b> PHP provides function <b>mysql_select_db</b> to select a database. It returns TRUE on success or FALSE on failure.	
	mysql_select_db( db_name, connection );	
	(v) <b>mysql_error-</b> Returns the text of the error message from previous MySQL Operation. Syntax:	
	mysal error():	
	Example:	
	php</th <th></th>	
	$\frac{1}{3}$ \$dbhost = 'localhost: 3036':	
	\$dbuser = 'root':	
	\$dbpass = 'rootpassword':	
	<pre>\$conn = mysql_connect(\$dbhost, \$dbuser, \$dbpass); if(! \$conn ) {</pre>	
	<pre>die('Could not connect: ' . mysql_error()); }</pre>	
	\$sql = 'INSERT INTO employee '.	
	'(emp_name,emp_address, emp_salary, join_date) '.	
	'VALUES ( "guest", "XYZ", 2000, NOW() )';	
	mysql_select_db('test_db');	
	<pre>\$retval = mysql_query( \$sql, \$conn );</pre>	
	if(! \$retval ) {	
	die('Could not enter data: '. mysql_error());	
	echo "Entered data successfully\n":	
	mysal close(\$conn):	
	?>	
b.	Write a PHP program to demonstrate the use of cookies in PHP. [5 Marks]	
	Answer:	
	The following example creates a cookie named "user" with the value "John Doe". The cookie will expire after 30 days (86400 * 30). The "/" means that the cookie is available in entire website	
	(otherwise, select the directory you prefer). We then retrieve the value of the cockie "user" (using the global variable $\ COOKIE$ ). We also	
	we then retrieve the value of the cookie user (using the global variable $\mathcal{F}_{OOKIE}$ ). We also use the isset() function to find out if the cookie is set:	
	Code: Creating Cookie	
	< <sup>2</sup> nhn	
	<.bub	

-		
	<pre>\$cookie_name = "user";</pre>	
	\$cookie_value = "John Doe";	
	setcookie(\$cookie_name, \$cookie_value, time() + (86400 * 30), "/"); // 86400 = 1 day	
	?>	
	Code : Retrieving the Cookie value	
	<html></html>	
	<body></body>	
	php</th <th></th>	
	if('isset(\$ COOKIE[\$cookie_name]))	
	{ {	
	cho "Cookie named " Scookie name " is not set!":	
	echo "Cookie ". \$cookie_name. " is set! ";	
	echo "Value is: ". \$_COOKIE[\$cookie_name];	
	}	
	?>	
c.	Compare POSIX and PERL style regular expressions of PHP. [5 Marks]	
•••	Answer	
	Regular expressions are a sequence or pattern of characters itself. They provide the foundation	
	for pattern matching functionality	
	DUD offers functions specific to two sets of regular expression functions, each corresponding	
	PHP offers functions specific to two sets of regular expression functions, each corresponding	
	to a certain type of regular expression.	
	1) POSIX Regular Expressions	
	The structure of a POSIX regular expression is not dissimilar to that of a typical arithmetic	
	expression: various elements (operators) are combined to form more complex expressions.	
	Brackets ([]) have a special meaning when used in the context of regular expressions. They are	
	used to find a range of characters like:	
	• [0-9]:matches any decimal digit from 0 to 9.	
	• [a-z]:matches any character from lowercase a through lowercase z.	
	• [A-Z] matches any character from uppercase A through uppercase Z	
	PHP's Regeven POSIX Functions	
	PHP uses ereg() and eregi() functions for searching strings using POSIX-style regular	
	evoressions	
	Fyampla	
	Example.	
	<:pup functions and the line	
	spassword = abc;	
	if (! eregi ("[[:alnum:]]{8,10}", \$password))	
	print "Invalid password! Passwords must be from 8 - 10 chars";	
	}	
	else	
	{	
	print "Valid password";	
	}	
1		

	This will produce the	following result –	
	Invalid password! Pas	sswords must be from 8 - 10 chars	
	1		
	2) PERL Style Regu	lar Expressions	
	Perl-style regular exp	ressions are similar to their POSIX counterparts.	
	Meta characters		
	A meta character is s	imply an alphabetical character preceded by a backslash that acts to give	
	the combination a spe	anipry an appracement endracter preceded by a backshash that acts to give	
	Eollowing is the list of	f mote characters which can be used in DEDI. Style Degular Expressions	
		in meta characters which can be used in FERE Style Regular Expressions.	
	•a single cha	racter	
	• $\s$ -a whitespa	ce character (space, tab, newline)	
	• $\backslash$ S -non-white:	space character	
	• $\backslash d$ -a digit (0-9	$\partial$	
	• \D -a non-digi	t	
	• \w -a word ch	aracter (a-7 A-7 0-9 )	
	$W = 2 \text{ pon}_{W}$	rd character	
	• (w -a non-wo	no character	
		les à single character in the given set	
	• [^aeiou] -mate	ches a single character outside the given set	
	• (foo bar baz)-	matches any of the alternatives specified	
	PHP's Regexp PER	L Compatible Functions	
	PHP uses preg_mat	ch() and preg_match_all() functions for searching strings using Perl-	
	compatible regular ex	pressions.	
	Example:		
	php</th <th></th> <th></th>		
	\$line = "Vi is the	greatest word processor ever created!";	
	// perform a case-	Insensitive search for the word "Vi"	
	if (preg match("/	(\bVi\b/i", \$line, \$match)):	
	print "Match four	nd!";	
	endif:		
	?>		
	This will produce the	following result –	
	Match found!	ionowing result	
d	List various HTTP f	unctions available in PHP [3 Marks]	
u.	Enst various III II I	inction in detail [2 Marks]	
	A newore		
	The UTTD functions	lat a manipulate information cant to the browser by the Web conver before	
	The HTTP functions	ter s manipulate mormation sent to the browser by the web server, before	
	any other output has t	ארכנון ארוונ.	
	<b>HTTP Functions:</b>		
	Function	Description	
	header()	Sends a raw HTTP header to a client	
	headers_list()	Returns a list of response headers sent (or ready to send)	
	headers_sent()	Checks if / where the HTTP headers have been sent	
	setcookie()	Defines a cookie to be sent along with the rest of the HTTP headers	

setrawcookie()	Defines a cookie (without URL encoding) to be sent along with the rest of the HTTP headers
PHP header() Funct	ion:
The header() function output is sent.	sends a raw HTTP header to a client. header() is called before any actual
Syntax:	
header(string,replace,	http_response_code)
<ul> <li>string- Requir</li> <li>replace- Option</li> <li>header.</li> </ul>	ed. Specifies the header string to send nal. Indicates whether the header should replace previous or add a second
<ul> <li>http_response indicates whet</li> </ul>	_code- Optional. Forces the HTTP response code to the specified value. it her response is success or not.
<b>Example:</b> The given example re	direct to the browser to google.com website
php<br header ("Location: I exit;	https://www.google.com/");
:>	
Write a PHP progra "salary" with follow Display the names o format. [5 Marks] Answer:	am to create a database named "employee". Create a table named ving fields (eid, ename, esalary). Insert 3 records of your choice. f the employees whose salary is between 15000 to 20000 in a tabular
Write a PHP progr. "salary" with follow Display the names o format. [5 Marks] Answer:	am to create a database named "employee". Create a table named ving fields (eid, ename, esalary). Insert 3 records of your choice. f the employees whose salary is between 15000 to 20000 in a tabular
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	echo "Error creating table:".mysql_error();
	\$query1="insert into salary values(1,'ABC',15000)";
	if(mysql_query(\$query1,\$con))
	echo"Record 1 inserted successfully";
	else
	echo "Error inserting record 1:".mysql_error();
	<pre>\$query2="insert into salary values(2,'XYZ',45000)";</pre>
	if(mysql_query(\$query2,\$con))
1	echo"Record 2 inserted successfully";
	else
	echo "Error inserting record 2:".mysql error();
	\$query3="insert into salary values(3. POR'.23000)":
	if(mysal_query(\$query3.\$con))
	echo"Record 3 inserted successfully":
	else
	echo "Error inserting record 3." mysal error().
	$s_{al}$ = solary where esplary $-35$ and esplary $-75$ ".
	sqi = sciect from salary where estatry $= 35$ and estatry $= 75$ , Sresult-mysal query(Scal Scon):
	if (mysal_num_rows(\$result)>0)
	((inysqr_num_rows(@resurt)>0)
	i agha "stable border-11's stress the Employee ID sith
	<th>Employee Nome //th> //th> //th> //th> //th>
	$\langle u \rangle \geq u   \rho   \rho   \rho   \rho   \rho   \rho   \rho   \rho   \rho  $
	wnie(\$row=mysql_letcn_assoc(\$result))
	ecno ();
	echo "".\$row['eid']."
	echo "", srow['ename']." $";$
	echo "".\$row['esalary']."";
	echo "";
	}
	echo "";
	}
	else
	{
	echo "Table is empty";
	}
	mysql_close(\$con);
	?>
f.	Write a short note on PHP Session. [5 Marks]
	Answer:
	A session is a way to store information (in variables) to be used across multiple pages. PHP
	Session is used to make data accessible across the various pages of an entire website.
	A session creates a file in a temporary directory on the server where registered session
	variables and their values are stored. This data will be available to all pages on the site during
	that visit

The location of the temporary file is determined by a setting in the php.ini file called **session.save path**. Before using any session variable make sure you have setup this path. When a session is started following things happen – • PHP first creates a unique identifier for that particular session which is a random string of 32 hexadecimal numbers such as 3c7foj34c3jj973hjkop2fc937e3443. A cookie called **PHPSESSID** is automatically sent to the user's computer to store unique session identification string. A file is automatically created on the server in the designated temporary directory and bears the name of the unique identifier prefixed by sess ie sess\_3c7foj34c3jj973hjkop2fc937e3443. When a PHP script wants to retrieve the value from a session variable, PHP automatically gets the unique session identifier string from the PHPSESSID cookie and then looks in its temporary directory for the file bearing that name and a validation can be done by comparing both values. A session ends when the user loses the browser or after leaving the site, the server will terminate the session after a predetermined period of time, commonly 30 minutes duration. **Starting a PHP Session:** A session is started with the session\_start() function. Session variables are set with the PHP global variable: \$\_SESSION. **Destroying a PHP Session:** A PHP session can be destroyed by **session destroy()** function. If you want to destroy a single session variable then you can use unset() function to unset a session variable. **Example:** <?php //start the session session\_start(); ?> <!DOCTYPE html> <html> <body> <?php // remove all session variables session unset(); // destroy the session session\_destroy(); ?> </body> </html>