Housh Gupta (1802713039) Page no. Sem TV Set-C HIT-401. (Section-A) Answer-1 Hypertext is the text displayed on a computor display on other electronic devices with references to other text that the reader can immediately access. Hyperlink is a reference to data that the user can follow by clicking. A hyperlink can point to either a whole downert on to a specific element within a page. Answer-2 A doctype on document type declaraction, which tells the browser about the marking markup language in which the current page The document type of an HTML page is CIDOCTYPE HTMLY Amswer-3 Style attribute is used to after the css properties of an element. Style attribute can be used with any html tug and is used for Implementation of inline-css It accepts css property: value pairs in double quates, each separated by semi-colon (;).

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Answer-4

To use an image as a hyperlink, we use an (img) tag inside an (a) tag with the "href" attribute.

for eg:- < a hnef = "www.google.com" > (img src = "a.jpg")

This image a. jpg' will act as a hyperling to www. gragle. com.

Answer-5

Three files will be stored on the web server to produce a single page with two image.

The files are.

- · the titml file
- · two images (image file)

Answer-6

A web-browser is a software application for accessing information on the world wide web. what a user requests a web page for a particular website, the web browser retrieves the necessary content from the web server & displays it on the screen.

Answer-7

<html>
<head>
<script>
let a = [1,2,3,4,5];



Harsh Gupta (1802713039) for (let i= 0; i < a. length; i++) document write (a [i] + "(br)"); (Script) </head> (/html) HINSWEY - 8 There are three types of functions in javascrift.
Named functions · Anonymous functions
· Immediately invoked functions. Yes an anonymous function is always assigned to a variable Answer-9 Chanel is a web-based control fanel that helps in quick & easy management of Dot easy website & arrount It gives complete control over a number of functions like. · setting up email accounts · managing website files · installing scripts & applications Answer 10 A domain name is an identification string that defines a realm of authority or control within the interest In general a domain name identifies a network domain, on it nepresents an Internet protocol (IP) resource such as a personal computor a server computer on the website itself.

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(Section - B)

Answer-11

An HIML form is a section of a downent containing normal content, markup, special elements called controls (checkboxes, radio buttons, menus etc), and labels on those controls users generally "complet" a form by modifing its controls (enturing text, selecting menu items, etc) before submission the form to an agent for processing.

<! DOCTYPE html>

<body>

(form name = "fI">

Name: <input type = "text" name = "name" >

Email: < input type = "email" name = "email" >

Phone rumber: <input type = "number" name = "phoni">

</form>

(Hody)

</hdnl>

Answer -14

Her array is a single variable that is used to store different values. It is often used when we want to store list of elements & access them by a single variable. In javascript an array can store values of multiple datatypes for egillet a = [1, "a", "xyz", 2];

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eg:- \$ \(\tag \) (by tag name)

. C1\(\tag \) (by class)

#i1\(\tag \) (by ID)

· Combinator selectors: - They are used to select an element based on a specific relationship.

eg: - dir p {...} will change style of all
descendants of < dir>

p>span {...} will change style of
which are children of

- element on the basis of a certain state

 eg: button: hover {...} will change style of all

 Zbutton on hover i.e. when mouse is over
 the button.
- pseudo -element selector: They are used to select and style a particular part of an element. eg: - P:: before {...}
- on the basis of an attributes on an attribute value.

eg:- a [target = "-blank"] {...} will change the style of all anchor tags with target = "-blank".

Harsh Gupta (1802713039) (Section-C) 7775Wer -16 (b) < body> < form> < Num]: < pinput type = "number" id = "num]"> (b) Num 2: (input type = "number" id = "num 2") output: <input type = "number" id = "Mesuit"</p> disabled > (/b) Cinput type = "button" on Elick = "mull" value = "Multiply"> cinput type = "buttorn" on tlick = "dix()" value = </form> (script) function mull) const a = document. get Element By Id ('num'). const b = do wment . get Element By Id ('num?'). dowment . getElement By Id ('result') . value = a *b. function div() const a = do cument · get Hement By Id ('num I') - value; constb = downert. get Element By Id ('rum') - value; document. get Element By Id ('Mesult') - value =

```
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  (|soupt>
  <1 body>
  </html>
                      Huswer-17(a)
< DOCTYPE
           html>.
<head>
(soupt)
   function sum (array), array 2)
       var nesult = [];
       var ctr = 0;
       var x=0;
       if (array 1. length == 0)
            neturor 'Array I empty';
      if (avray2. length == 0)
       1 mehous 'Array 2 empty';
     while (ctr / array 1. length && ctr (array2. length)
     1 result. push [avray ] [ctr] + avray2 [ctr];
     if (itr === array 1. length)
          for (x=dr; x (avray 2. length; x++)
             nesult. push[ averay 2 [x]);
    else f
          for (x=dr; x ( woray 1. length; x++)
                nesult. push (avoiay ] [x]);
```

Harish Gupta (1802+13039) neturn nout; do coment write (sum ([1,0,2,3,4],[3,5,6,7,8,13]) </script> · </head> (/html> Answer -19(a) Web hasting is a service that allows organizations and individually to post a website on web page onto the internet A web host or web hasting service provider, is a bussiness that provides the technologies & services needed for the website and webpage to be viewed on the intornet. Websites are hosted on special computers called servers. There are various types of web hasting services available to host your website. · shared hosting - shared hosting is perfect for entry-level web hosting This is where your website will be stored on the same server as multiple other websites with a ishared hasting plan all domains share the same server resources such as RAM & CPU However because all nesources are shared the coar cost of shared hasting plans are relatively low. · Vintual Private Server Hosting: - A VPS hosting plan is the vitimate middle ground

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between a straned server & a dedicated server. It is ideal for website owner that need more control but don't need a dedicated server.

- Dedicated Server Hosting: Dedicated hosting gives website owners the most control over the server that their website is stoned on. That's because the server is exclusively rented by you and your website is the only one stoned on it. This means that you have full noot & admin access so you can control everything from seworty to operating system you run. All that control, however is expensive.
- · Cloud hosting: Cloud hosting is the current touzzword of the technology industry. In regard to web hosting it means many computers working together running applications using combined computing resources. Its a hosting solution that works via a network & enables companies to use the computing resource like a utility.
- Hanaged Hosting: Most hosting packages online are managed Hosting companies provide technical services such as har dware & software setup & configuration, maintenance, hardware replacement technical support, patching, updating & monitoring, with managed hosting the provider looks after the day-to-day management of the hardware, OSK standarised applications.

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- · keyword optimisation
- · image optimisation
- . neadability & UX
- · dick through note (CIR)

Off page SEO:-

off page SEO refers to the techniques you can use to improve the position of a website in the search engine nesvits page (SERPS). Hany people associate off-page SEO with link building but it is not only that Gargeneral naths, off-page SEO has to do with promotions methods beyond website design-for the purpose of ranking a website higher in the search results.

factors of off - page SEO are:-

- · Bank links
- · Domain authority
- · Social promotion.



Date .

Answer -20(b)

Web planning is the process of choosing among competing opportunities for communication so that you can set overall goals for a web you will need to define your web intended audience, formulate a statement of your web's purpose and objective and gother and maintain domain information to support your web.

Things that should be considered while planning a website are:

- · Usability: One of the most important aspects of web designing is actually making the site usable to the average user, things must be simplified a little bit.
- espeed: Despite the insans technology involved with connecting people to various pages all around the world if the page doesn't load within three to five seconds, user will go mad
- · Content: Users one very picky, Even if your webpage is easily accessible, functions well, work quickly and looks great they still won't be pleased unless you have compelling and engaging content on your site.
 - · Contact info: Nothing makes customer angriere

 that not being able to contact a tussiness

 when they want to Make sume that from

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every page on your site your users are able to easily find your company's contant information.

- · Website Maintenerse: Every page on your site should work 100-1 of the time In the event of an issue, however you have to have some sout of 24-hour support system implemented to ensure that someome can immediately address the problem.
- · Hobile friendly: wholly 48% of all users admit that if they visit a company's website that doesn't work on their mobile device, they take it as an indication that the bussiness simply doesn't care, just your company should by be online, your webpage should also function of mobile screens. I devices.

· Aesthetics:-

The look and feel of your page is just as important as the functionality. You only have 10 seconds to make an impression on a visitor and to let them know what they will get out of visiting your page.