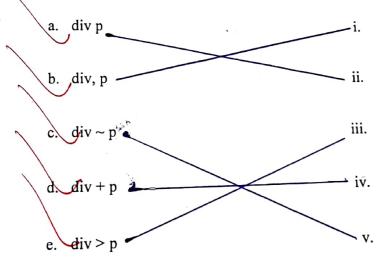
Question #1: Short Questions

[8 Marks]

Match the following CSS Selectors. (CLO: 1, PLO: GA1)



Selects all <div> elements and all elements

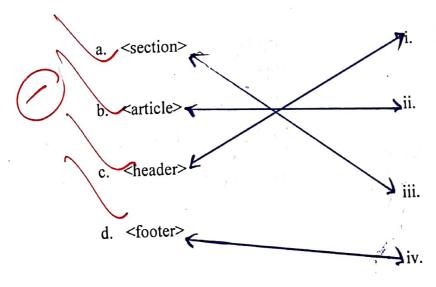
Selects all elements that are anywhere inside a <div> element

Selects all elements where the immediate parent is a <div> element

Selects all elements that are placed immediately after a <div> element

Selects all elements that are anywhere preceded by a <div> element

2. Match the following Semantic elements. (CLO: 1, PLO: GA1)



Element is used to contain introductory and navigational information about a section of the page.

Element is meant to house a self-contained composition that can logically be independently recreated outside of the page without losing its meaning.

Element is a flexible container for holding content that shares a common informational theme or purpose.

Element is used to hold information that should appear at the end of a section of content and contain additional information about the section.

3. Given the following code is an example of Imperative Programming. How you will rewrite the given 5. In the given 5. (CLO: 4, PLO: GA2 & GA5)

```
const numbers = [1, 2, 3, 4, 5];

const sumNumbers = (n) => {

let finalResult = 0;

for (let i = 0; i < n.length; i++) {

finalResult += n[i];

}

return finalResult;

}

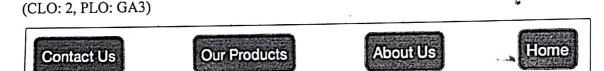
sumNumbers(numbers) // Will give out 15

const sumNumbers = (n) => {

numbers = (n) => {

numb
```

4. Given the following output and the code. You need to develop a following layout using flexbox.



Complete the missing CSS code by picking appropriate styling code from the given CSS code pool.

HTML	CSS		
<pre><nav></nav></pre>	nav ul { diploy: flex; diploy: d-flex; flex-direction: row; justify-content: space-between flex-direction: row-reverse; }		

CSS Pool:

display: flex;

display: d-flex;

flex-direction: column;

justify-content: space-between;

flex-direction: row-reverse;

flex-direction: row;

justify-content: space-around;

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CAS CAS CAS

5. What will be the output of the following HTML code on mobile and on desktop view? Draw a grid. (CLO: 4, PLO: GA2 & GA5)

Mobile			Desktop					
	A			A	B	С	\mathcal{D}	
	3							
	C							
	\mathcal{D}							
				"'af' .	,			
				2				

6. Write a CSS code to remove underline from the link. (CLO: 2, PLO: GA3)

Ans. text-decoration: none;

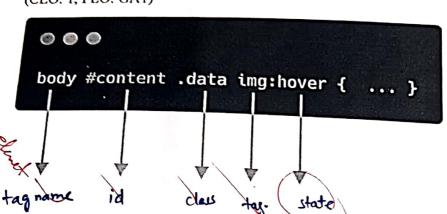
7. Consider the following HTML code and write a selector that select the meals for names that contain 'obb'. (CLO: 2, PLO: GA3)

Ans. bento [for = "obb"]



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8. Identify each part of the following given selector(s) and write name infront of each arrow. (CLO: 1, PLO: GA1)



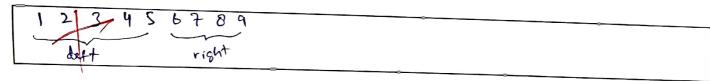
Write an alternative of following code in CSS: (CLO: 1, PLO: GA1)

margin: 20px 30px 0px 0px;

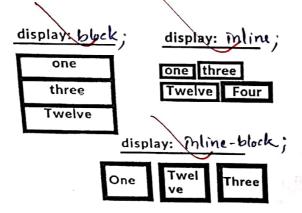
margimisht: 30px marginbottom: Opx; marginleft: Opx;

10. What will be the output of the following code? (CLO: 4, PLO: GA2 & GA5)

```
let arrayToSort = [1,2,3,4,5,6,7,8,9]
const midIndex = Math.floor(arrayToSort.length / 2); // Divide the array in half
const left = arrayToSort.slice(0, midIndex);
const right = arrayToSort.slice(midIndex);
console.log(left)
console.log(right)
```



1. Add missing CSS code. (CLQ: 1, PLO: GA1)



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estion \$ 2. Differences (

Write down the differences between the following.

1. for...in vs for...of (write only sample code; no description is needed)

To to to the total of the total	
forin	forof
-) It runs of on objects and as well on arrays but it returns, index or key of	-> it returns value instead of index
the object and —then by using key we print the values.	an example let arr = [1,2,3,4] Acr(let itm of arr) {
let obj = { mame: 'Css', id: 2} bor (let key in obj) { console.log (obj [key])	3 console.log (itm); 1,2,3,4 as output
3 output is css 2	

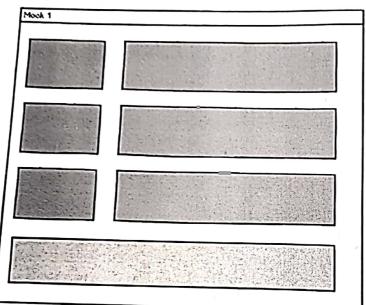
let & var

2. let & vai	_
let	Vay
14-4	datatype
<u>datatype</u>	- it has function level scop.
-) it has block level scop	A 1)
= it can't be redefine inside	- it can be redefine or
	much as the developer wants.
a block { inside }	\$
}	va8 a = 3;
let a = 3; variable has	o. unl
tet a = 2; X various already define	d. 27 40 5.
	<i>y</i>

3. GET vs POST	Dost
Get	
it is unsecuired method	it is secured method
17 13 Miseemiter	it is closed
it is open	. ()
it has limited	It has unlimited storage.
1 1	
it and a duty in url	it does't send the data in
it sends awy in an	url.

Note: Write only required code; no need to write supporting code like html page structure, linking ess or js.

1. Write the necessary HTML and CSS to create the following layout. You can use floats, positioning or flexbox to solve this.



HTML	CSS
<pre><div class="container"></div></pre>	· container {
<div class="small1"></div>	hight: Window-size;
<pre> Zdiv class = "brg1" > </pre>	widh & 1007.
<pre>cdiv class="small1" id="two"></pre>	}
<pre><dir class="big1" id="b2"></dir></pre>	. Small {
<pre><div clus="small" id="s3"></div></pre>	width: 20%.)
<pre><div cluss="big1" id="b3"></div></pre>	
<pre> <pre> / div class="big2" id="bb2" //di </pre></pre>	cleur: right;
	3
(dir)	, big 1 }
	width: 60%; nongin: 20px) hight \$ 15%;
101 of 25	Result right
* #	2 backgrand-culor & Pred;
	6183 {

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2. Write the necessary HTML & CSS to create following circle.



	CSS
HTML	1
edir class = "circle">	border: 1px solid black; Width: 60px; hight: 50px; border-radians: 1597;
(0)	width: 60 px)
	hight: Dopx;
	border-radians: 1391
	3
4/div>	

3. Give a simple implementation of the <video> tag to embed a video stored at http://www.kd.com/wow_video.mp4. Give the video a width of 640 pixels by 360. Also provide the

Question # 4: (CLO: 1, PLO: GA1) True/False

Write T/F next of each statement.

rite T/F next of each statement.	
Statement	1/1
Values to the array can be prepended using unshift method of array.	J
Hyperlinks can be used in text and images both.	P
By default, properties in CSS are inherited from parent element to child element.	7
// This is a way to comment a line in CSS	T
"ul li" Selector selects all direct li elements in ul not all descendants.	1
While rem is relative to the font-size of its direct or nearest parent, em is only relatithe html (root) font-size.	ve to
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[2 Marks]



Question #5: Array Operations (CLO: 2, PLO: GA3)

[3 Marks]

For each of the questions below, assume you are starting with the following people array. let people = ["Hadi", "Maryam", "Dawood", "Jamal"];

a. Using a loop, iterate through this array and console.log all the people.

for (let it on of people) { console.log (item);

b. Write the command to remove "Hadi" from the array.

Reople. shift (); detete people ("Hadi");

Write the command to remove "Jamal" from the array.

Ans. people 120p (); es detete people [people length-1];

d. Write the command to add "Mariha" to the front of the array.

Ans. people unshift ("Mariha"); or people splice (0,0, "Mariha");

Write the command to add your name to the end of the array.

Ans. people. push ("Irfan ullah");

Write the command to make a copy of the array using slice. The copy should NOT include "Maryam" or "Mariha".

let copy Array = people. strice (2);

I assumed Maryan at 1 index and Mariha of

WISH YOU ALL THE BEST

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