Question 01   **(20 marks)**
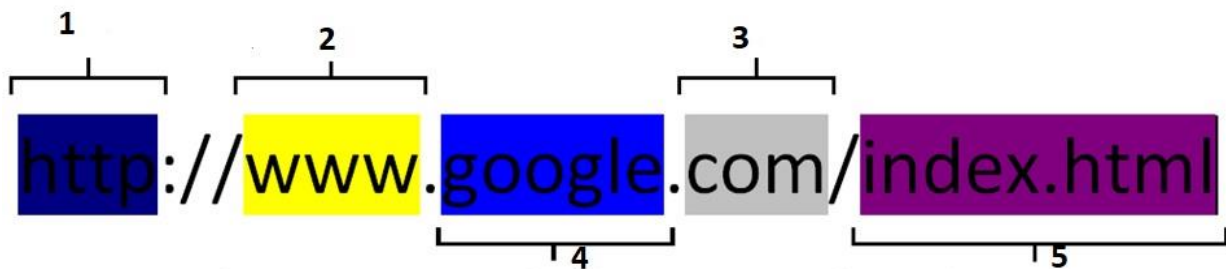
1. Define the following terms providing two examples for each.

    a. Search engine

    b. Web browser

    c. Web hosting services

2. What is an internet protocol? Extract the following abbreviations?

    a. HTTP

    b. HTTPS

    c. FTP

3. Name the following parts of a URL.

4. What is client server architecture? Draw a diagram to illustrate your answer.

5. Differentiate the followings.

    a. HTML and HTML5

    b. html and xhtml

    c. Domain name and Domain name service (DNS)

Question 02 (20 marks)

Write the html code for following output.

Student Registration - Intake 2021 - ATI Kandy

User name: [Dilini]

Enter password: [ ]

Enter Comments: [Enter comments here...]

Enter Gender: ○ Male ○ Female

Select your preference: ☐ HNDA ☑ HNDBA ☐ HNDIT

[Submit] [Reset]

Available courses

Kandy		
HNDIT	Full Time	Kandy Premises
	Part Time	Dambawela Premises

Refer below details for further inquiries.

- During office hours
  - a. Director : 0812 234654
  - b. Registrar : 0812 234655
- Any time
  - a. Email to : [SLIATE Administrator](#)

Question 03 (20 marks)

i. List three benefits of using CSS in designing of a website.

ii. Name five CSS selectors providing example for each.

iii. What are the different ways that CSS styles can be inserted to an html page?

iv. Write the CSS code for the following output.

Food for you.

Enjoy with our new pizza

Cheese Pizza	**Hot Garlic Prawns Pizza**	**Tandoori Chicken Pizza**
Rich tomato sauce base topped with cream cheese, onions, green chillies & Mozzarella.	Spicy prawns, hot garlic sauce, onions, peppers and tomatoes with mozzarella cheese.	Tandoori chicken and onions,hot garlic sauce with a double layer of cheese.

Paragraph Font type	**Georgia**
Paragraph Font size	**20px**
Bold the word	**Mozzarella**

Question 04 (20 marks)

i. Write the output of following Java script code segments.

    a. .

```javascript
var linebreak = "<br />";
top:
    for(i = 0; i < 5; i++){
        for(j = 0; j < 5; j++){
            if (j==3) break top;
            document.write(j);
            document.write(linebreak);}
    }
```

    b. .

```
var text=new String("JAVA SCRIPT")
document.write(text.length);
document.write("<br>");
document.write(text.toLowerCase());
document.write("<br>");
document.write(text+" Introduction");
```

c. .

```
var arr = [1, 2, 5, 10, 20];
var sum = 0;
for (var i in arr) {
  sum += arr[i];
}
document.write(sum);
```

d. .

```
var x = 6;
var y = 3;

document.write(
!(x === y) + "<br>" +
!(x > y));
```

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e. .

```
<script language="javascript" type="text/javascript">
for(i=1;i<9;i++) {
if(i==4) Continue;
document.write(i);
}
</script>
```

ii.   Write a java script function to validate the inputs when submitting the form.
   - Name cannot be empty.
   - Age must be a number between 1 and 100.

Application Form

Name :

Age:

Submit Reset

Question 05 (**20 marks**)

Photoshop. Refer lab sheet 7