

Phase I

1. Write short notes on HTTPS vs HTTP

Answer:

HTTP: Hypertext transfer protocol. It's a protocol for communicating or transferring data between two systems.

HTTPS: Hypertext transfer protocol secure. It is a protocol for securing communication between two systems. It is the secure version of HTTP.

2. Why is RFC required?

Answer:

RFC (stands for Request For Comments) is a document that describes the standards, protocols, and technologies of the Internet and TCP/IP. Requests for Comments are produced in a non-reflowable document format, but work has begun to change the format to a reflowable one so that documents can be viewed in devices with restricted size.

3. CSS doesn't require any standard - Justify.

Answer:

CSS stands for Cascading Style Sheets. I hope CSS required some standard because using CSS we can make a web page more interactive and more lightweight. If we do not apply a standard form of CSS on the web page then the webpage does not show much better. Some standard rules also apply for CSS, nowadays many new functionalities also added in CSS. So I hope that CSS also required some standard.

4. JavaScript is essentially a programming language - provide your view.

Answer:

JavaScript is an essential programming language. Nowadays we can make any web application and also any mobile application using JavaScript. There are many frameworks or tools to use JavaScript in separate platforms. In early times JavaScript is used for only front end development on the web but nowadays it is used on every platform. Now we can make backend services by Node.js which is a tool of

JavaScript. We can use react JS, Angular JS for frontend development. we use node JS or deno Framework For backend or server-side development. we can also use react-native which is another JavaScript framework for Cross-site mobile app development Both Android and IOS. we can also make any desktop application by JavaScript. The main purpose of using JavaScript in web application development .we can not make any web application more functionality without using JavaScript. For web applications, we can use a jQuery library in the frontend but Now the most popular Framework is react JS which was developed by Facebook. nowadays we can use JavaScript in every platform We can also make our programming code smaller using the es6 version of JavaScript. we can also solve many big problems by JavaScript so, In the end, we can see that JavaScript is everywhere and we can use JavaScript for every platform.

5.Design the following layout using HTML and CSS

HTML CODE:

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8" />
<meta name="viewport" content="width=device-width, initial-scale=1.0" />
<link rel="stylesheet" href="style.css" />
<title>Layout</title>
</head>
<body>
<div style="margin-bottom: 20px;">
Logo
</div>
<div class="topnav">
<a href="#">Link</a>
<a href="#">Link</a>
<a href="#">Link</a>
</div>
<div class="header">
<h1>Header</h1>
</div>
<div class="row">
<div class="column submenu">
<h2>Submenu</h2>
<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Lorem ipsum
dolor sit amet, consectetur adipiscing elit.</p>
```

```
</div>
<div class="column content">
<h2>Content</h2>
<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Maecenas sit
amet pretium
urna. Vivamus venenati
convallis.</p>
<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Maecenas sit
amet pretium
urna. Vivamus venenatis convallis.</p>
</div>
</div>
</body>
</html>
```

CSS CODE:

style.css:

```
body{
background-color: black;
width: 1000px;
}
.logo{
height: 10px;
width: 10px;
}
.header {
background-color: tomato;
padding: 20px;
text-align: center;
}
.topnav {
overflow: hidden;
background-color: #FF1493;

}
.topnav a {
float: left;
display: block;
color: #f2f2f2;
text-align: center;
padding: 14px 16px;
text-decoration: none;
}
```

```

.topnav a:hover {
background-color: #8B008B;
color: blue;
}
.column {
float: left;
padding: 10px;
}
.column.submenu {
float: left;
width: 21.82%;
background-color: chocolate;
}
.column.content {
float: right;
width: 75%;
background-color: gold;
}

```

OUTCOME:

