Practical: 1

Aim: Define Web terminologies. Make environment setup for PHP applications.

Basic Web terminologies:

1. Web client
   ➔ The software application which displays web pages with the help of response and access the web server by using request.
2. Web server
   ➔ The computer or network of computers which stores web pages.
3. URL
   ➔ A web address; indicates the location of a web resource as well as the protocol needed to access it.
4. Protocols
   ➔ A set of rules or procedures for transmitting data between electronic devices, such as computers.
   ➔ Protocols:- HTTP/HTTPS, FTP, TCP/IP, SMTP
   ➔ HTTP:- HTTP is used for making a connection between the web client and web server.
   ➔ FTP:- File transfer protocol is basically used for transferring files to different networks.
   ➔ SMTP:- Simple mail transfer protocol manages the transmission and outgoing mail over the internet.
5. Web page
   ➔ A Web page is a document for the World Wide Web that is identified by a unique uniform resource locator (URL).
   ➔ HTML is used to write web pages.
   ➔ CSS is used to design web pages in other word CSS is used for defining the styles for web pages.
6. Server-side scripting language
   ➔ Used to dynamically display different data when needed.
   ➔ Dynamically means that it provides data to the user as per request.
   ➔ The user can't see this language code in the browser because it runs on the server and generates the response in the form of HTML and CSS.
7. Website
   ➔ In simple word collection of web pages.
8. Database
   ➔ It allows us to create dynamic web sites and also stores user data on the server.
   ➔ By using a database, clients can access their data at anytime, anywhere.

9. Request
   ➔ It is nothing more than a message that can be sent to a server in order to access a webpage or other server services.
10. Response
   ➔ It means the server will send some data as per the user's request.
11. ISP
   ➔ An ISP (internet service provider) is a company that provides individuals and organizations access to the internet and other related services.
12. Browser
   ➔ A web browser is application software for accessing websites.
13. Internet
   ➔ The Internet is needed to communicate with the server because all web pages is available at server side.
14. Intranet
   ➔ An intranet is a private network contained within an enterprise that is used to securely share company information and computing resources among employees.
15. WWW
   ➔ World Wide Web, which is also known as a Web, is a collection of websites or web pages stored in web servers and connected to local computers through the internet.

Simple Code: index.php

```php
<?php
   $student_name = "Dhavanik";
   $student_enrollment = 21012022022;
   $student_institute = "U.V. Patel Collage of Engineering";
   $student_university ="GUNI";
   $student_course = "B.Tech IT";
   $student_semester = "VI";
   $student_class = "C";
   $student_batchlab = "AB11";
?>
<html>
   <head>
      <link rel="stylesheet" href="style.css">
   </head>
   <body>
      <table>
         <tr>
            <th colspan="2">Student Info</th>
         <tr>
         <tr>
            <td>Name:</td>
            <td><?php echo $student_name; ?></td>
         </tr>
         <tr>
```

```
         <td>Enrollment:</td>
         <td><?php echo $student_enrollment; ?></td>
      </tr>
      <tr>
         <td>Institute:</td>
         <td><?php echo $student_institute; ?></td>
      </tr>
      <tr>
         <td>University:</td>
         <td><?php echo $student_university; ?></td>
      </tr>
      <tr>
         <td>Course:</td>
         <td><?php echo $student_course; ?></td>
      </tr>
      <tr>
         <td>Semester:</td>
         <td><?php echo $student_semester; ?></td>
      </tr>
      <tr>
         <td>Class:</td>
         <td><?php echo $student_class; ?></td>
      </tr>
      <tr>
         <td>Batch/LAB:</td>
         <td><?php echo $student_batchlab; ?></td>
      </tr>
    </table>
  </body>
</html>
```

style.css

```
table{
   background-color: antiquewhite;
}
tr{
   background-color: burlywood;
}
```

Output:

Student Info	
Name:	Dhavanik
Enrollment:	21012022022
Institute:	U.V. Patel Collage of Engineering
University:	GUNI
Course:	B.Tech IT
Semester:	VI
Class:	C
Batch/LAB:	AB11

localhost/21012022022/Practical1.php