## **Web basic concepts and terminologies**

## What is Internet

* 1. The Internet is essentially a global network of computing resources.
  2. Services
     1. Email
     2. FTP
     3. WWW

1. WWW - World wide web - The World Wide Web is a way of exchanging information between computers on the Internet
2. HTTP - Hypertext Transfer Protocol
   1. This is the protocol being used to transfer hypertext documents that makes the World Wide Web possible.
   2. HTTPS
3. URL - URL stands for Uniform Resource Locator, and is used to specify addresses on the World Wide Web.
   1. protocol://hostname/other\_information
4. Website - Which is a collection of various pages written in HTML markup language
   1. Static Websites
   2. CMS Websites
   3. Web Applications
5. Web server - Every Website sits on a computer known as a Web server.
   1. Apache
   2. Nginx
6. Web browser - Web Browsers are software installed on your PC. To access the Web you need a web browsers
   1. IE, Chrome etc
7. SMTP Server - Simple Mail Transfer Protocol Server. This server takes care of delivering emails from one server to another server.
8. ISP - ISP stands for Internet Service Provider. They are the companies who provide you service in terms of internet connection to connect to the internet.
9. HTML - HTML stands for Hyper Text Markup Language. This is the language in which we write web pages for any Website.
10. Hyperlink - A hyperlink or simply a link is a selectable element in an electronic document that serves as an access point to other electronic resources.
11. DNS - DNS stands for Domain Name System. It will return the IP that hosts a specific domain
12. W3C - World Wide Web Consortium which is an international consortium of companies involved with the Internet and the Web.
13. How web works - Browser - Domain - DNS - IP - Server - HTML/ CSS/ Images etc - Browser
14. Web Framework -- For Building application
15. Why we need security in web application
16. What is Cloud
17. What is an OS
18. What is API
19. HTTP Status Codes - <https://en.wikipedia.org/wiki/List_of_HTTP_status_codes>
20. Mobile Platform
    1. Mobile Application
    2. Cross Platform

**Assignment**

1. Diagram representing how a website works.