# SHRI  RAMSWAROOP  MEMORIAL  UNIVERSITY

# PROBLEM SET – I

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| **Session** : 2023-24(Even Sem.) | | **Semester** | IV |
| **Course** : BCA | | **Subject Code** | : UCS4001 |
| **Branch** : | | **Subject Name** | : Web Technology |
| **Group** : BCA 4A/4B | | **Name of Faculty Member** | Mr. Swapnil Verma |
| **Unit** : I | | **Topic Covered** | : How Web Works |

|  S. No. | Questions |
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1. Explain situations where UDP and TCP are suitable and why.

2. Explain HTTP protocol. Discuss its properties.

3. Explain HTTPS protocol and, explain how it is implemented.

4. Explain different methods in HTTP to request information from server.

5. Explain GET and POST and make suitable comparisons between them. Which one is better and why?

6. Explain how different services running on a single server handle several client requests.

7. With the help of suitable examples, Explain the technologies used to create a private secure network over public network.

8. Explain Peer-to-Peer (P2P) network with suitable examples.

9. Explain Client Server Architecture with suitable examples.

10.     Explain the URL with an example. Explain the different components of URL.

11.     Explain DNS as well as its working.

**Text Books:**

> **T1.** Jon Duckett, HTML & CSS: design and build websites, I, John Wiley & Sons, 2011

> **T2.** Bryan Basham, Kathy Sierra & Bert Bates, Head First Servlets & JSP, 2, Q'RIELLY, 2008

**Reference Books:**

> **R1.** Eric Freeman & Elisabeth Robson, Head First HTML5 Programming, 1, O'RIELLY, 2011
> **R2.** W. Jason Gilmore, Beginning PHP and MySQL: From Novice to Professional, Apress, 2010

**(Signature of the Faculty Member with date)**


**(Signature of the Dean with date)**