

# **Sardar Patel College of Engineering, Bakrol**

## **Information Technology Department**

### **Assignment 1**

**SUBMISSION DATE :8/8/2021**

1. Explain TCP/IP Model in details with protocols.
2. Write notes on IP addressing schemes giving one example of each.
3. Discuss TCP OR UDP Frame format
4. Describe DNS.
5. Draw IP V4 header format
6. Explain FTP.
7. Explain the working of electronic mail protocol. SMTP, IMAP and POP3 in brief with suitable diagram.
8. What is HTTP? Differentiate its persistent and non-persistent types with the request response behavior of HTTP.
9. Explain the concept of DHCP.
10. Write a client server program for TCP and UDP connection. ( Explain socket programming with TCP and UDP.(wrte only program and attached screenshot of output in this))

Subject Coordinator:

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