



**Sardar Patel Institute of Technology**  
Bhavan's Campus, Munshi Nagar, Andheri (West), Mumbai-400058, India  
(Autonomous College Affiliated To University of Mumbai)

**End Semester Examination** ~~Synoptic~~ (Make-up)  
May-June 2019 (July)

**Max. Marks: 60**

**Class: TE EXTC**

**Duration: 3 Hrs**

**Semester: VI**

**Name of the Course: Computer Communication Networks**

**Course Code: ET62**

**Branch: Electronics and Telecommunication**

**Instructions:**

All questions are compulsory

Draw neat diagrams

Assume suitable data if necessary with justification

Q1(a)	Explain OSI model in detail	06	CO1
Q1(b)	Compare OSI and TCP-IP model	06	CO1
Q2(a)	Explain HTTP in detail  OR  Explain FTP in details	06	CO1, CO2
Q2(b)	Explain POP3 in details.  OR  Explain DNS in details.	06	CO3
Q3(a)	Differentiate IPv4 and IPv6 protocols	06	CO4
Q3(b)	Explain Border Gateway Protocol	06	CO1, CO2
Q4(a)	Write short note on threats and attacks	06	CO4
Q4(b)	Write short note on firewall	06	CO4
Q5(a)	Explain stop and wait algorithm in detail	06	CO5
Q5(b)	Write short note on socket programming OR Compare UDP and TCP	06	CO6