



R20 Regulation

Subject code:3P5EC

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous, Accredited by NAAC with 'A+' Grade)

B.Tech V Semester Supplementary Examinations, May 2025

COMPUTER NETWORKS

(CSE)

Maximum Marks: 70

Date:23.05.2025

Duration: 3 hours

- Note:**
1. This question paper contains two parts A and B.
 2. Part A is compulsory which carries 20 marks. Answer all questions in Part A.
 3. Part B consists of 5 Units. Answer any one full question from each unit.
 4. Each question carries 10 marks and may have a, b, c, d as sub questions.

Part-A

All the following questions carry equal marks (10X2M=20 Marks)		Marks	CO	BTL
1	State the major functions performed by the presentation layer of the ISO OSI model.	2M	1	L1
2	What is OSI?	2M	1	L1
3	What is error correction	2M	2	L1
4	Mention the categories of flow control	2M	2	L1
5	What is the need of internetwork?	2M	3	L1
6	Define flow control	2M	3	L1
7	What are the fields on which the UDP checksum is calculated? why?	2M	4	L1
8	What is TCP?	2M	4	L1
9	What are the two types of connections in FTP?	2M	5	L1
10	What are the basic functions of email?	2M	5	L1

Part-B

Answer All the following questions. (5X10M=50Marks)		Marks	CO	BTL
11	Explain a) Frame Relay b) ATM c) ISDN	4M 3M 3M	1	L2
OR				
12	Explain about transmission media in detail.	10M	1	L2
13	Explain about hamming code with an example.	10M	2	L2
OR				
14	Explain about a)Noiseless channels b) noisy channels	5M 5M	2	L2
15	Write short notes about repeaters, routers and gateways.	10M	3	L2
OR				
16	Explain about logical addressing in detail	10M	3	L2
17	Explain about process to process to delivery in detail	10M	4	L2
OR				
18	Explain about a) UDP b) TCP	5M 5M	4	L2
19	Explain about the protocols associated with the electronic mail system.	10M	5	L2
OR				
20	Describe about the HTTP in detail.	10M	5	L2

