



R18 Regulation *Subject code: 2P5EB & 2P5FB*
TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
 (Autonomous, Accredited by NAAC with 'A+' Grade)

B.Tech V Semester Supplementary Examinations, July 2024

COMPUTER NETWORKS
(Common to CSE & IT)

Maximum Marks: 70

Date:22.07.2024 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 which carries 10M.
 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)		CO	Bloom Tx
1	What are the three criteria necessary for an effective and efficient network?	1	L1
2	What is OSI?	1	L1
3	What is error correction	2	L1
4	Define checksum.	2	L1
5	What is the need of internetwork?	3	L1
6	Define flow control	3	L1
7	What are the fields on which the UDP checksum is calculated? why?	4	L1
8	What is TCP?	4	L1
9	What are the two types of connections in FTP?	5	L1
10	What are the basic functions of email?	5	L1
Part-B			
Answer All the following questions. (5X10M=50Marks)			
11	Explain A) Frame Relay B) ATM C) ISDN [10]	1	L2
	OR		
12	Explain about transmission media in detail. [10]	1	L2
13	Explain about data link layer and its framing concept. [10]	2	L2
	OR		
14	Explain about A) Noiseless channels B) noisy channels [5+5]	2	L2
15	Define routing & explain distance vector routing and dynamic routing. [10]	3	L2
	OR		
16	Define bridge and explain the type of bridges. [10]	3	L2
17	Explain about process to process to delivery in detail. [10]	4	L2
	OR		
18	Explain TCP protocol with neat diagrams. [10]	4	L2
19	Explain about the protocols associated with the electronic mail system. [10]	5	L2
	OR		
20	Describe about the HTTP in detail. [10]	5	L2