



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, February 2024

COMPUTER NETWORKS

(Common to CSE & IT)

Maximum Marks: 70

DATE: 17-02-2024 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.
 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)		Bloom's Tx	CO
1	State the major functions performed by the presentation layer of the ISO OSI model.	L1	CO1
2	What is OSI?	L1	CO1
3	What is error correction	L1	CO1
4	Define checksum.	L1	CO1
5	Define router	L1	CO2
6	What do you mean by ARP	L1	CO2
7	Define congestion	L1	CO3
8	List the flag used in TCP header.	L1	CO5
9	What is SMTP	L1	CO4
10	What is the domain name system responsible for?	L1	CO2

Part-B

Answer All the following questions. (10M X 5=50Marks)			
11	Explain about physical layer and its transmission modes. [10]	L1	CO1
	OR		
12	Explain about topologies in detail. [10]	L2	CO1
13	Explain about hamming code with an example. [10]	L2	CO1
	OR		
14	Write in detail about flow and error control mechanism. [10]	L1	CO1

15	Write short notes about repeaters, routers and gateways. [10]	L2	C02
	OR		
16	Explain about forwarding techniques. [10]	L2	C02
17	Explain about data traffic in detail. [10]	L2	C05
	OR		
18	Write short notes on A. Congestion [5] B. Congestion control [5]	L1	C03
19	What is electronic mail? Explain about the protocols associated with the electronic mail system. [10]	L1	C04
	OR		
20	Explain about the http. [10]	L2	C04