



R18 Regulation

Subject code:207DA

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech VII Semester Supplementary Examinations, November 2023

COMPUTER NETWORKS

(ECE)

Maximum Marks: 70

Date:12.12.2023 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)

Bloom
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1	What is OSI?	L1
2	What are the three criteria necessary for an effective and efficient network?	L1
3	What are the responsibilities of data link layer?	L1
4	What is the purpose of hamming code?	L1
5	Define router.	L1
6	Define flow control.	L1
7	What is error control?	L1
8	What are the advantages of using TCP over UDP?	L1
9	What is SMTP	L1
10	What is URL?	L1

Part-B

Answer All the following questions.

(5X10M=50Marks)

11	Explain [3+3+4] A) Frame Relay B) ATM C) ISDN	L2
	OR	
12	Explain about transmission media in detail. [10]	L2
13	Explain about data link layer and its framing concept. [10]	L2
	OR	
14	Explain about ALOHA in detail. [10]	L2
15	Define routing & explain shortest path routing using Dijkstra's algorithm with example. [10]	L1
	OR	
16	Explain about logical addressing in detail. [10]	L2
17	Explain about process to process to delivery in detail. [10]	L2
	OR	
18	Explain about techniques to improve QoS in switched networks. [10]	L2
19	Explain about the domain name system. [10]	L2
	OR	
20	Write about SNMP. [10]	L1