



R20 Regulation

Subject code: 307DA

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(Autonomous, Accredited by NAAC with 'A+' Grade)

B.Tech VII Semester Supplementary Examinations, December 2024
COMPUTER NETWORKS
(ECE)

Maximum Marks: 70

Date: 02.01.2025

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)		Bloom's Taxonomy Level	Course Outcomes
1	What is ARPANET?	L1	CO1
2	What are the features provided by layering?	L1	CO1
3	List advantages of sliding window protocol.	L1	CO2
4	Define checksum.	L1	CO2
5	What is the use of router?	L1	CO3
6	What is shortest path routing	L1	CO3
7	Mention Elements of transport protocol	L1	CO4
8	Write any two differences between TCP & UDP.	L1	CO4
9	What are the functions of Application layer?	L1	CO5
10	What is the domain name system responsible for?	L1	CO5

Part-B

Answer All the following questions. (10M X 5=50Marks)		Bloom's Taxonomy Level	Course Outcomes
11	Differentiate between TCP/IP network model and ISO-OSI reference model. [10M]	L2	CO1
OR			
12	Explain about various transmission media in physical layer with a neat sketch. [10M]	L2	CO1
13	Explain about data link layer and its framing concept. [10M]	L2	CO2
OR			

14	Explain in detail about ALOHA.	[10M]	L2	CO2
15	Define routing & explain distance vector routing and link state routing.	[10M]	L2	CO3
OR				
16	Explain about logical addressing in detail.	[10M]	L2	CO3
17	Explain about data traffic in detail.	[10M]	L2	CO4
OR				
18	Write short notes on Congestion Congestion control	[10M]	L2	CO4
19	Explain about the domain name system.	[10M]	L2	CO5
OR				
20	Explain about File Transfer Protocol	[10M]	L2	CO5