



R17 Regulation

Subject code: 1P5EA

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech III Year I Semester Supplementary Examinations, January 2023

COMPUTER NETWORKS

(Computer Science and Engineering)

Maximum Marks: 70

06-01-2023

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.
 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)

- 1 What are the features provided by layering?
- 2 What is OSI?
- 3 What is error correction?
- 4 Mention the categories of flow control
- 5 What are the functions of mac?
- 6 What is a repeater?
- 7 Define congestion?
- 8 List the flag used in TCP header?
- 9 What are the four main properties of http?
- 10 What are the basic functions of email?

Part-B

Answer All the following questions.

(5X10M=50Marks)

- 11 Explain about physical layer and its transmission mode. [10]

OR

- 12 Explain about: [3+3+4]

A) Circuit switched network B) Datagram network C) Virtual circuit

- 13 Write in detail about error detection & correction techniques. [10]

OR

- 14 Explain about ALOHA in detail. [10]

- 15 Explain: A.ICMP B.IGMP [5+5]

OR

- 16 Explain about forwarding techniques. [10]

- 17 Explain about the domain name system. [10]

OR

- 18 Write about SNMP. [10]

- 19 What is electronic mail? Explain about the protocols associated with the electronic mail system. [10]

OR

- 20 Explain about the http. [10]

