



R18 Regulation

Subject code: 2P5EB

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

B.Tech V Semester Supplementary Examinations, June/July 2023

COMPUTER NETWORKS

(Computer Science and Engineering)

Maximum Marks: 70

Date: 26.06.2023 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 State the major functions performed by the presentation layer of the ISO OSI model.
- 2 What is OSI?
- 3 What is a buffer?
- 4 Mention the categories of flow control.
- 5 What is the need of internetwork?
- 6 Define flow control.
- 7 What is multiplexing?
- 8 List the flag used in TCP header.
- 9 What is SMTP?
- 10 What are the responsibilities of domain name system?

Part-B

Answer All the following questions.

(5X10M=50Marks)

- 11 Explain the TCP/IP protocol suit in detail, with their protocols? [10]

OR

- 12 Explain about transmission media in detail. [10]

- 13 Explain about hamming code with an example. [10]

OR

- 14 Explain about ALOHA in detail. [10]

- 15 Define routing & explain distance vector routing and link state routing. [10]

OR

- 16 Define bridge and explain the type of bridges. [10]

- 17 Explain about process to process to delivery in detail. [10]

18 Write short notes on [5+5]

OR

A. Congestion

B. Congestion control

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

OR

20 Explain about the http. [10]