

Code No.: AI603PC

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**CMR ENGINEERING COLLEGE : HYDERABAD**  
**UGC AUTONOMOUS**  
**III-B.TECH-II-Semester End Examinations (Supply) - January- 2024**  
**COMPUTER NETWORKS**  
**(Common for CSC, CSM)**

[Time: 3 Hours]

[Max. Marks: 70]

**Note:** This question paper contains two parts A and B.

Part A is compulsory which carries 20 marks. Answer all questions in Part A.

Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

**PART-A**

**(20 Marks)**

1. a) What is network software? [2M]
- b) Define Wireless Transmission. [2M]
- c) Define Framing. [2M]
- d) What is Error detection? [2M]
- e) Define Flooding. [2M]
- f) What is network layer? [2M]
- g) What is TCP? [2M]
- h) Define UDP. [2M]
- i) Define SNMP. [2M]
- j) What is HTTP? [2M]

**PART-B**

**(50 Marks)**

2. Describe TCP/IP Model? Explain the functions and protocols. [10M]  
**OR**
3. Discuss the division of wireless transmission waves in unguided Media. [10M]
4. Explain in detail about error detection & correction. [10M]  
**OR**
5. Explain about data link layer and its framing concept. [10M]
6. Explain Distance Vector Routing and link state routing. [10M]  
**OR**
7. Explain about Congestion Control Algorithms. [10M]
8. Explain about elements of transport protocols. [10M]  
**OR**
9. Distinguish between UDP & TCP with suitable example? [10M]
10. Define Domain Name Service (DNS) and explain in detail. [10M]  
**OR**
11. Explain about the HTTP in detail. [10M]

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