

**BACHELOR OF TECHNOLOGY (CBCS) (2021-COURSE)**  
**B. Tech. Sem - V COMPUTER SCIENCE & ENGINEERING-A&M : SUMMER : 2024**  
**SUBJECT: COMPUTER NETWORKS**

Day : Thursday  
Date : 09/05/2024

**S-23960-2024**

Time : 10:00 AM-01:00 PM  
Max. Marks : 60

N.B

- 1) All questions are COMPULSORY.
- 2) Figures to the right indicates FULL marks.
- 3) Use to the non-programmable CALCULATOR is allowed.
- 4) Assume suitable data WHEREVER necessary.

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- Q1. Describe Computer Network and types of Computer Network. (10)  
OR  
Explain OFC and Radio Spectrum (10)
- Q2. Explain the concept of Sliding Window Protocol. (10)  
OR  
Explain the Channel Allocations Problem. (10)
- Q3. Explain Switching Technique and different types of Switching Techniques. (10)  
OR  
Explain Internet Protocol and IP Address Classes. (10)
- Q4. Describe the concept of Multiplexing (10)  
OR  
Explain Congestion Control. (10)
- Q5. Determine Domain Name System (DNS) (10)  
OR  
Explain Firewalls. (10)
- Q6. Explain Basic concepts of Cryptography. (10)  
OR  
Explain Network Security in Electronic mail. (10)