

Revision (less time left):

<https://www.geeksforgeeks.org/last-minute-notes-computer-network/>

Book (if enough time):

Computer Networks | Fifth Edition | By Pearson (5th Edition): [Purchase Computer Networks by Tanenbaum on Amazon](#)

Some important topics:

OSI Model and TCP/IP Model along with their comparison

(Easy explanation: [https://www.youtube.com/watch?v=vv4y\\_uOneC0](https://www.youtube.com/watch?v=vv4y_uOneC0))

Some common terms: Client, Server, Host, Peer, Packet, Noise etc.

Difference between hub, switch and router

Layers in OSI model and packet transmission [Very IMP]

LAN vs MAN vs WAN

What happens when you type a URL in the web browser?

Difference between http and https

SSL/TLS + Handshaking algorithm

What is DHCP and how does it work

What is ARP and how does it work

Working of SMTP protocol

Common computer networking commands like telnet, ltp, ipconfig, ping, netstat, route, arp, hostname, ftp, tracert etc. [IMP]

How does APIs work + API Gateway

REST API vs HTTP API

Difference between ipv4 and ipv6

Explain DNS - Concept clarity plus terms associated with it [V.V.IMP topic]

IP Addresses - Difference between public and private IP addresses

Virtual IP

Working of server-side Load Balancer

Cryptography and encryption methods

Symmetric vs Asymmetric key

Hashing and types of hashing including AES, DES, RSA, MD5 Hashing

File transfer protocol (Difference between FTP and Secure FTP)

Some system design related topics like caching, scaling (horizontal vs vertical), containerisation vs virtualisation, 2G vs 3G vs 4G vs 5G, Modem vs router)

What are DDoS Attacks

Firewalls + Types of firewalls

Firewall attacks

Possible network attacks + Types

Network connection in bluetooth, hotspot, GPS etc. [Basic Idea]

Also, practice standard interview questions from:

Interview questions:

[Important List of CN interview questions](#)

[Company-wise problem set](#)

Also, practice numerical based questions for computer networks, these are generally asked as MCQs in Round1 (Coding Test)

Other questions for practice: [Commonly Asked Interview Questions - GeeksForGeeks](#)