

***Theory exam topics in Computer networks I course:***

1. OSI, TCP/IP models.
2. Twisted pair cable medium.
3. Optical fiber cable medium.
4. Wireless LANs.
5. Decimal, binary and hexadecimal number systems.
6. Ethernet protocol.
7. Ethernet switching.
8. IPv4 protocol.
9. IPv6 protocol.
10. IP routing.
11. TCP protocol.
12. UDP protocol.
13. Most popular Application layer protocols.
14. Encapsulation/decapsulation processes.
15. DNS system.
16. What data flows happen in the network, while a user opens a Web page.
17. Cisco IOS usage and device configuration.
18. Network security.