

Question For

Chapter 1 Chapter 2 Chapter 3

Q1) What is OSI protocol? Explain

Q2) What is the differences between OSI and TCP-IP?

Q3) Why a layered model?

Q4) Explain the delivery of data in Layered model?

Q5) What is HUB device and what are its types?

Q6) Firewall plays a key role in protecting network. Explain:

Q7) Draw block diagram for OSI Layered system?

Q8) Give class, net, host, broadcast, IP type for the following IPs

- a. 11.0.0.20**
- b. 101.2.3.23**
- c. 193.134.4.2**

Q9) Suppost A company IP is 196.20.33.10. The company need to support 10 subnet for its departments (IT, HR, Fin,...). What is the network subnet mask. Explain in simple steps.

Q10) What is function for

- OSI Application Layer**
- OSI Data Link Layer**
- OSI Session Layer**

Q11) What is the function for

- **OSI Physical Layer**
- **TCP-IP Transport Layer**

Q12) Draw Block diagram for the TCI-IP Protocol Stack

Q13) What are the Different Between HUB and Switch?

Q14) What is the Private IP and what is the range for it in each class?

Q15) The repeater is device used in network. Explain:

Q16) Give class, net, host, broadcast, IP type for the following IPs

- d. **55.0.0.20**
- e. **150.2.3.23**
- f. **202.134.4.2**

Q17) Suppost A company IP is 193.44.133.20. The company need to support 5 subnet for its departments (IT, HR, Fin,...). What is the network subnet mask. Explain in simple steps.

Q18) Give brief description for the OSI protocol layers.

Q19) What are the function for

- **TCP-IP Transport Layer**
- **OSI Session Layer**

Q20) What are the difference between Switch and Bridge

Q21) Gateway play a key role in protection in network. Explain:

Q22) Give class, net, host, broadcast, IP type for the following IPs

- **2.0.0.20**

- 220.2.3.23
- 170.134.4.2

Q23) The router is very important device that are used for connecting varied network. Explain:

Q24) Suppose A company IP is 199.20.33.55. The company need to support 3 subnet for its departments (IT, HR, Fin,...). What is the network subnet mask. Explain in simple steps.

Q25) Give class, net, host, broadcast, IP type for the following IPs

- a. 133.0.0.20**
- b. 175.2.3.23**
- c. 220.134.4.2**