

- [Osi Layer 3]: Explain *
- [Encapsulation]: Explain
- [Ip Hourglass model]: Explain

- [OSI Layer 3]: Protocols? List
 - [Protocol 1]: Explain? Transmission Types? Headers *
- [Ip Address]: Explain? Private and Private? Ranges
- [Ip Address Hierarchy]: Why?*

- [Decimal to Binary]: Explain? 112
- [Binary to Decimal]: Explain

- [Subnetting]: Explain *
- [Classfull vs Classless addressing]: Explain

- 10.4.211.66/18
 - **[DO FOR EVERY QUESTION LIKE THIS]: Explain steps (3)**
 - [Subnet Mask/CIDR]: Explain
 - [#IP Address or Host]: Explain
 - [Network Address]: Explain
 - [Broadcast Address]: Explain
 - [First Usable Host or IP]: Explain
 - [Last Usable Host or IP]: Explain
 - [Next Network]: Explain

<https://www.youtube.com/watch?v=SM0kdVfhxZ0>

breakdown of employees by department.

Department	Number of Employees
Administrative Support	108
Accounts	86
Human Resources	22
IT Support	58
Research & Development	642
Sales	255
Security Services	31

Network IP: 203.5.80.0/20

- [VLSM Concepts Refer above Questions]:
 - **[DO FOR EVERY QUESTION LIKE THIS]: Explain steps (3) But really 4**
 - [Class]: Explain? Answer up
 - [Subnet]: Explain
 - [Subnet Mask]: Explain
 - **[Network address]: Explain**
 - **[Broadcast address]: Explain**
 - **[Host address]: Explain**
 - **[No. of subnet host]: Explain**
 - **[No. of subnet host bits]: Explain**
- [Ip Address Classes]: Explain range