**Lab Practical #10:**

Study of IP Addressing and sub-netting.

**Practical Assignment #10:**

1. Find default subnet masks, network bits, host bits, hosts per subnet, no of subnets, subnet number, 1st valid IP address, last valid IP address, and broadcast address.
   1. 8.1.4.5/16

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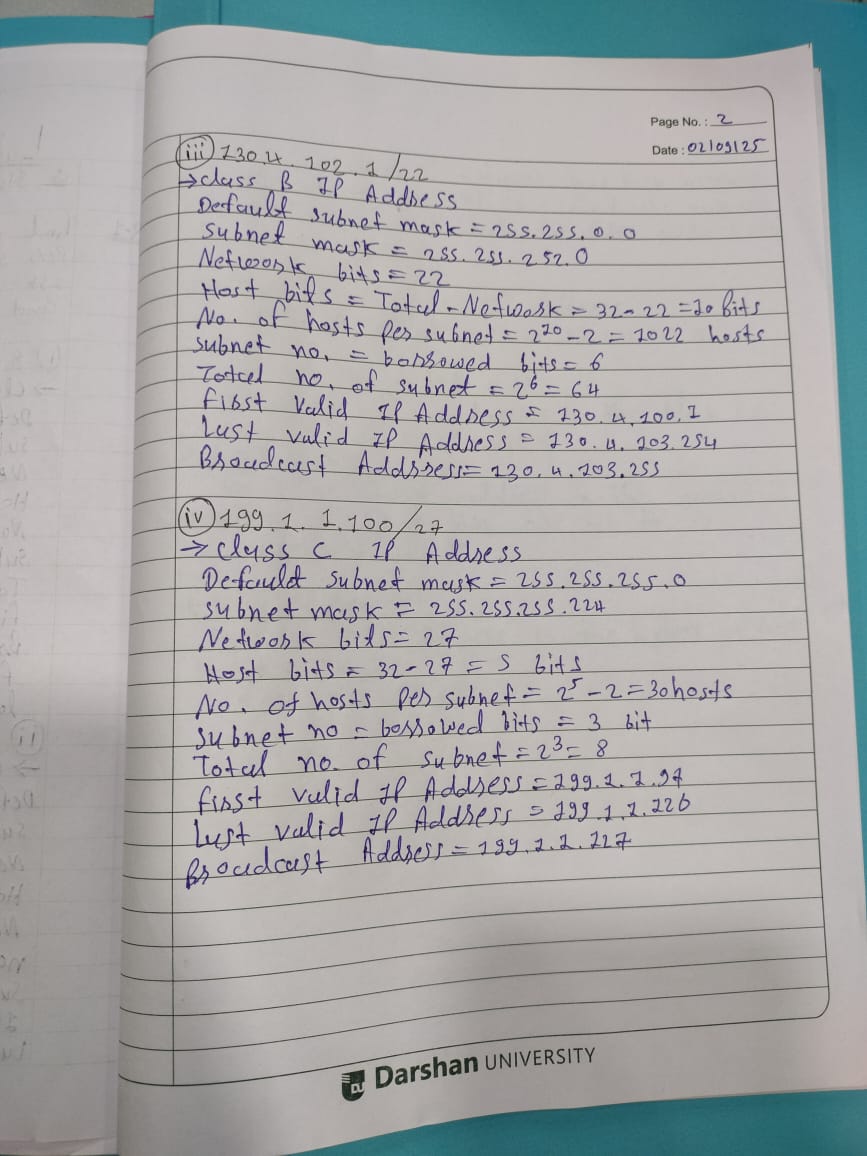
AI-generated content may be incorrect.

* 1. 130.4.102.1/24

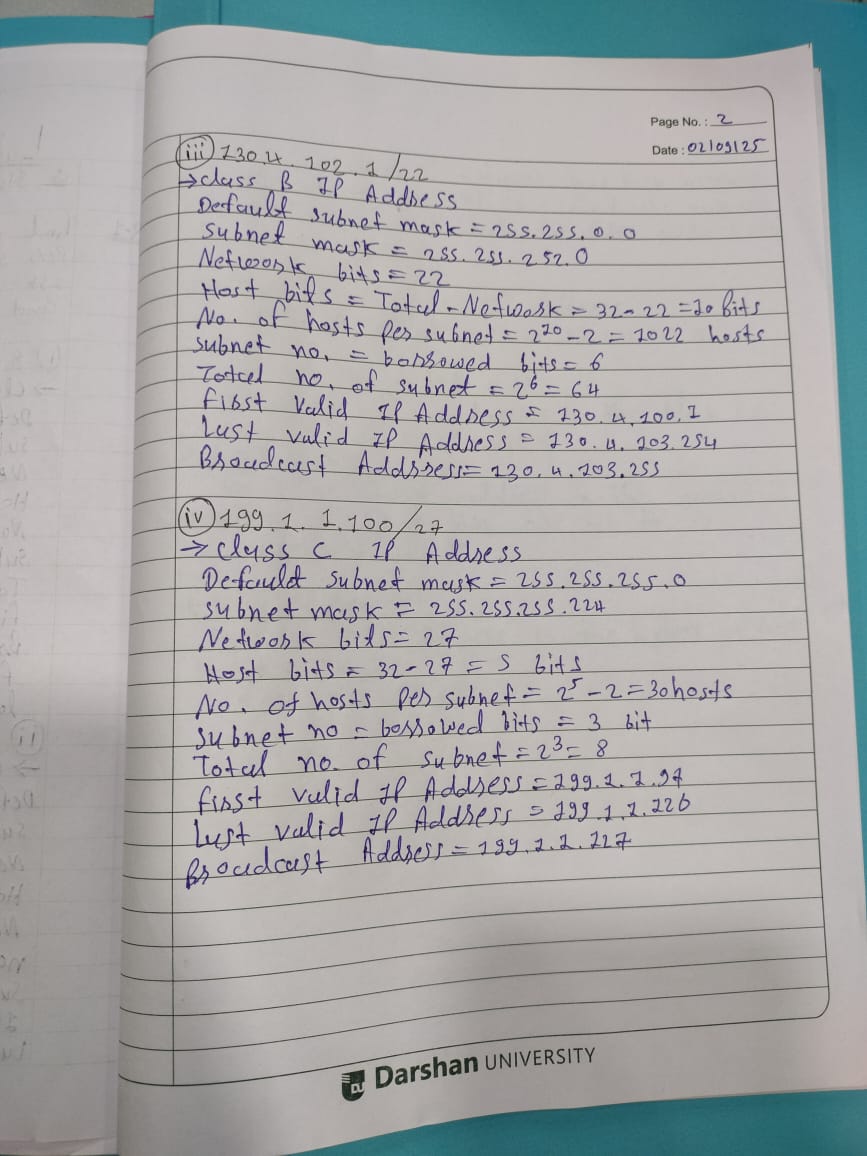
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* 1. 130.4.102.1/22



* 1. 199.1.1.100/27



1. A host in a class C network has been assigned an IP address 192.168.17.9. Find the number of addresses in the block, the first address, and the last address.

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1. An address in a block is given as 185.28.17.9. Find the number of addresses in the block, the first address, and the last address.

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1. A block of addresses is granted to a small organization. We know that one of the addresses is 205.16.37.39/28. What is the first address, last address, number of addresses in a block?

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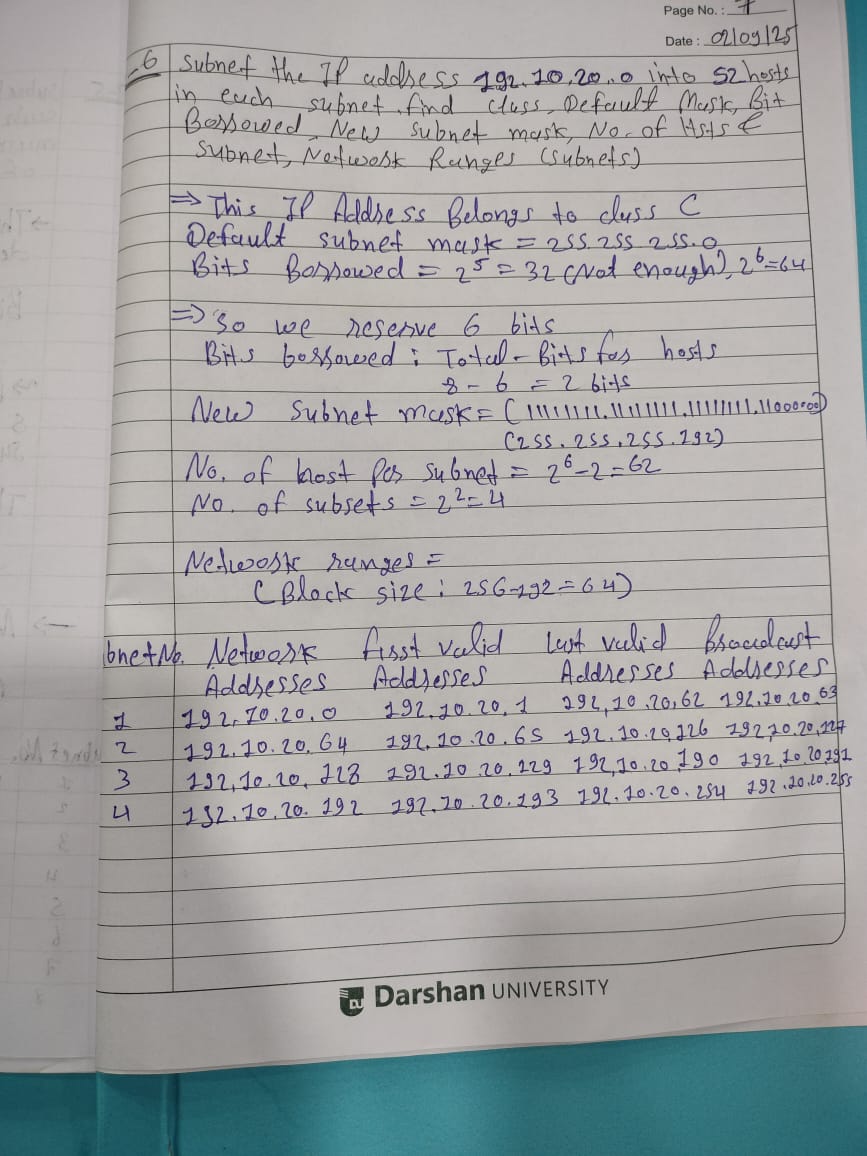
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1. Subnet the IP address 216.21.5.0 into 30 hosts in each subnet. Find Class, Default Mask, subnet mask, Bit Borrowed, New subnet mask, No. of Hosts & Subnet, Network Ranges (Subnets).

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AI-generated content may be incorrect.

1. Subnet the IP address 192.10.20.0 into 52 hosts in each subnet. Find Class, Default Mask, Bit Borrowed, New subnet mask, No. of Hosts & Subnet, Network Ranges (Subnets).



1. Determining the Subnet mask for Devices A and B:  
   a) Device A: 172.16.17.30/20  
   b) Device B: 172.16.28.15/20

A notebook with writing on it

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