

ITEC350

Homework 2 – VLSM (Variable Length Subnet Masking)

- ❖ Please answer to all of the questions below. Please make sure to give *both* the 32 binary number and the dotted decimal notation.

Given:

IP address 193.2.3.0/24

- AtlantaHQ: 58 hosts
- PerthHQ: 26 hosts
- SydneyHQ: 10 hosts
- CorpusHQ:10 hosts
- WAN1: 2 IP addresses
- WAN2: 2 IP addresses
- WAN3: 2 IP addresses

Question 1. What is the IP address for the 1st usable host id in AtlantaHQ?

Question 2. What is the broadcasting IP address for AtlantaHQ?

Question 3. What is the subnet mask for AtlantaHQ?

Question 4. What is the IP address for the 1st usable host id in PerthHQ?

Question 5. What is the IP address for the 1st usable host id in CorpusHQ?