# IPv4 Assignment 4

### Given – 201.80.90.0 /24

1. Write the mask in dotted decimal format. (2 marks)  
     
   255.255.255.0
2. What is the network address? (3 marks)  
     
   201.80.90.0
3. How many host bits are there? (1 mark)  
   8
4. How many total addresses are there? (2 marks)  
     
   256
5. How many host addresses are created? (2 marks)  
   254
6. What is the range of host addresses? (3 marks)  
   201.80.90.1-201.80.90.254
7. What is the broadcast address for this network? (2 marks)  
     
   201.80.90.255

**Total for this page \_\_\_\_\_\_\_\_  
 15**

### Given – 150.100.0.0 /16

1. Write the mask in dotted decimal format. (2 marks)  
     
   255.255.0.0
2. What is the network address? (3 marks)  
     
   150.100.0.0
3. How many host bits are there? (1 mark)  
   16
4. How many total addresses are there? (2 marks)  
     
   65536
5. How many host addresses are created? (2 marks)  
     
   65534
6. What is the range of host addresses? (3 marks)  
     
   150.100.0.1-150.100.255.254
7. What is the broadcast address for this network? (2 marks)  
     
   150.100.255.255

**Total for this page \_\_\_\_\_\_\_\_  
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