

1.

(A) 111.56.45.72

01101111 00111000 0010110101

(b) 221.34.7.2

11011101 00100010 00000111 01010010

2 (A)

111.56.045.78

no leading zeros b,

(b) 291.34.78.20

no cannot have more than 4 bytes in IPv4

(c) 75.45.301.14

each byte should be less than or equal

(d) 11100010.24.14.68.

The error is that there mixture of decimal notation.

3. A) 00000001 00001011 00001011 11101111

The first bit is 0, class A.

b).

This is class C address

c)

This is class D address

d) class D address

e). This is class E address.

A/S IP address	10	105	1	01110001
Subnet	255	255	255	11100000
o/p network	10	105		01100000
B/S IP address	10	105	1	01011011
Subnet	255	255	255	11100000
o/p address	10	105		01000000

o/p network 1 : 10.105.1.96,

o/p network 2 : 10.105.1.64.

6.
10.1.2.3.4.

IP address belongs to class A.

network IP address = 10.0.0.0

DB address = 1.255.255.255

1B address = 255.255.255.255.

7.

IP address belongs to class A, here IP address is
23.192.157.234.

don network = B.

don host = 24.

8.

loop back testing means source and destination
should be same so I suggest.

10.100.100.100 and 10.100.100.100.