Question.No:03.

171.10.33.103

Subnets 54 => $2^6 = 64$

host 519 => $2^{10} = 1024$

$64 \times 1024 = 65536$

$256 \times 256 = 65536$

It is a class B IP.

as range is equal to Mask-Max range so subnetting is not possible.

Question.No:04

12.12.12.12

Subnets : 3333 => $2^{12} = 4096$

Hosts: 4011 => $2^{12} = 4096$

$4096 \times 4096 = 16777216$

$256 \times 256 \times 256 = 16777216$

It is a class A IP.

as ranges are equal so subnetting is not possible.

Question No: 05

191.255.255.255

Subnet : 512 => 2^{10} = 1024

Hosts : 511 => 2^9 = 512

1024 * 512 = 524288

256 * 256 = 65536

It is a class B IP

as range is greater than Mask-Max so Sub-netting is not possible.