Name: Md. Rokibul Hasan

ID: 2019-1-60-114

Sec: 03

Quiz - 2.

Ans: to the Q: No: (1)

① One special IP is (0.0.0.0). This IP is used when m pc is booting.

② Another special IP is like

Net	Host
0	Anything

Here, in Network portion we use 0. And the host are changed. [0.120.146.15].

By this IP we can recognise devices in same network, so that network portion is always same.

③ We use another special IP to broadcast on local Network. That IP is (255.255.255.255).

Ans: to the q:No: (2)

Given,

112.155.180.46/14

∴ Network IP : 112.0.0.0 [Class: A]

112	0000 0000	0 0000000	0 0000 0000
Net			
7th sub→	0111 0000	0 0000000	0 0000 0001 (1st Host)
7th sub→	0111 1111	1 1111111	1 1 111 110 (last Host)

First Hosts IP of 7th subnet : 112.112.0.1
Last Hosts IP of 7th subnet : 112.127.255.254

Ans: to the Q: No: (3)

Given,

167. 150. 12. 90

Class: B, $\dfrac{167. 150.}{\text{Network}}$ $\dfrac{12.90}{\text{Host}}$

| 167 | 150 | 0000000|0 | 00000000 (Subnet Mask) |

11...11 11....11   1111111|0

last subnet →   1111110|1

00000000

00000000 (Subnet Mask)

11111110 (last Host IP)

Ⓐ Subnet Mask IP (Decimal) : 255. 255. 254. 0

Last Host IP of last subnet : 167. 150. 253. 254