

Sub: _____

Day

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Time: _____

Date: / /

Ans. To Q. NO:- 01

- ① 0.0.0.0 is a special IP used for Booting purposes of the OS. It is called "This Host". ~~Ex~~ Example:- When booting the OS used this since it can not get IP from Network card.
- ② ~~255.255.255~~ 255.255.255 is a ~~dis~~ special IP used for Broad casting on the local network.
- ③ When an IP starts with 127 then it is a special IP called "Loopback" IP. It means the packet will go to the destination and then return back.
Example:- 127.10.0.40. These IPs are used on Linux.

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Ans. To Q. No: 2

Binary :-

Network IP :- 01110000 00000000 00000000 00000000
7th Subnet :- 01110000 00001111 00000000 00000000
1st Host of 7th :- 01110000 00001111 00000000 00000001
7th Subnet Broadcast :- 01110000 00001111 00000000 00000011
Last Host of 7th :- 01110000 00001111 00000000 00000010

Decimal :-

Network IP :- 112.0.0.0
7th Subnet IP :- 112.28.0.0
1st Host of 7th :- 112.28.0.1
Last Host of 7th :- 112.31.255.254
Broadcast of 7th :- 112.31.255.255

Ans:-

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Am.Ta Q.No: 3Subnet Mask :- ~~255.255.255.0~~

167.150.12.90 / 23

Binary:-

Network :- 10100111 10010110 00000000 00000000

Last Subnet :- 10100111 10010110 11111110 00000000

Last Subnet Broadcast :- 10100111 10010110 11111110 11111111

Last Host :- 10100111 10010110 11111110 11111110

Decimal:-

Network :- 167.150.0.0

Last Subnet :- 167.150.254.0

Last Broadcast :- 167.150.254.255

Last Host :- 167.150.254.254

Ans