Haider Iqbal ID 14495

$$
24 / 06 / 20
$$



14495

$\frac{100600000000000}{24}$
$\Rightarrow$ Subher Mask $=255 \cdot 252 \cdot 0: 0$
Network IP = 1018.0 .0
Broadcars $I P=101.11 .255 .255$
Total number of $H$ Hos $1=262114$
Number of Network $=64$

Question NO 2.
Ans:-
ID 14495 (decimal number)


$$
14495 \text { (4) }
$$

action NO 4:-
$D=160.23 \cdot 13 \cdot 0 / 10$ Class $B$

$$
x=23
$$

$1 D_{3+4}=13$
(roup's.
art I) 16 customer, each need ${ }^{4}$ address for this group each ustome need 64 addresses This mean that obits are needed to define each host Prefix length $32-6=26$
64. 1st costomer: $160 \cdot 23 \cdot 13 \cdot 0126$ $2^{\text {hd }}$ customer: $160 \cdot 23 \cdot 14 \cdot 0126$
16 customer $=160 \cdot 23 \cdot 28.0126$

$$
\begin{aligned}
& 1 \text { customer: } 160 \cdot 23 \cdot 29 \cdot 0 / 27 \\
& 2^{\text {hc }} \text { customer: } 160 \cdot 2,3,29.32 / 27 \\
& 64^{\text {th }} \text { customer: } 160 \cdot 23 \cdot 92.32 / 27
\end{aligned}
$$

$$
\begin{array}{r}
\text { Heresse. ssic }=186 \mathrm{c} \text { fougos } \\
12=5-2 q=476401 \text { सHydy }
\end{array}
$$

(s) sonhl

$$
\begin{aligned}
& \operatorname{sppb} \text { h8 } 2 \varepsilon \\
& (912 \text { chan } 4)
\end{aligned}
$$




$$
\begin{aligned}
& \text { win dow of PDU that many } \\
& \text { be transmitted. 4bits window }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Reciver } \\
& 0123456
\end{aligned}
$$

$$
\begin{aligned}
& \text { acknowled ment from B for } \\
& 0,1,2
\end{aligned}
$$

$$
\begin{aligned}
& \text { Sender A has shrunk it's } \\
& \text { window as it has transmitted } \\
& 5 \text { ppys but has recived ack } \\
& \text { for } 3 \text { pous hesce it is } \\
& \text { kecping copy of one PDU }
\end{aligned}
$$

$$
\frac{\operatorname{ch[\varepsilon <10]}}{\text { puas } \forall}
$$

> comsuy
:IOpuOS
drojog

$$
\begin{gathered}
8 \\
0 \\
0 \\
\frac{0}{3} \\
j \\
j \\
j
\end{gathered}
$$

any foarmes

$$
\infty \quad \infty
$$

$$
60
$$



