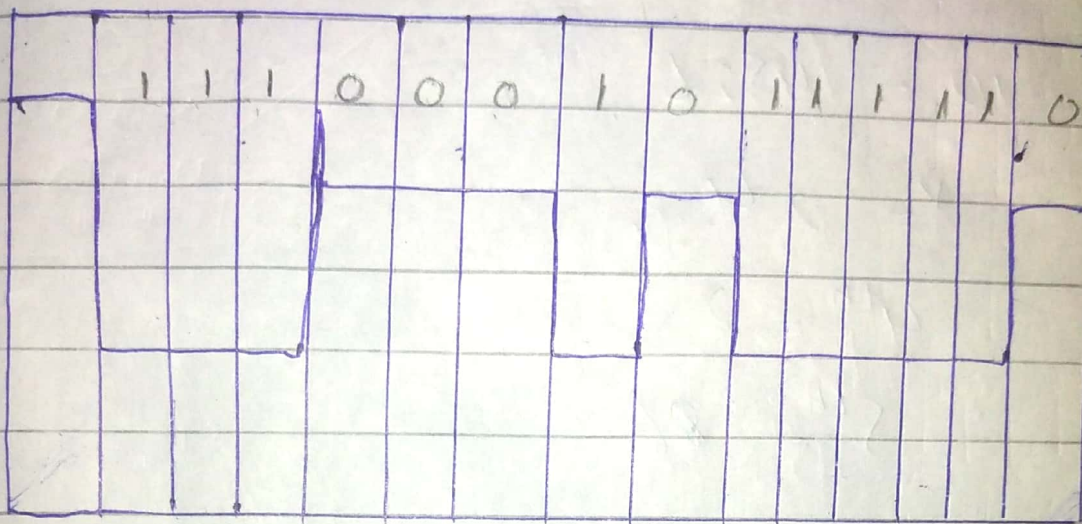


ALPHA 14526

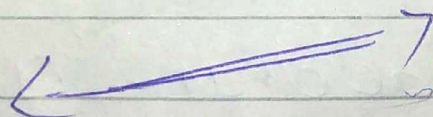
QUESTION No 1-2

ANSWER :-



ID = 14526

into binary = 1110001011110



2	14526	
2	7263	0
2	3631	1
2	1815	1
2	907	1
2	453	1
2	226	1
2	113	0
2	56	1
2	28	0
2	14	0
2	7	0
	3	

2	3	1
	1	1

TALHA 14526

QUESTION NO 1

ANSWER :-

$$ID = 14526$$

$$X = 24$$

$$4^{\text{th}} = 2$$

$$5^{\text{th}} = 86$$

$$4^{\text{th}} + 5^{\text{th}} = 8$$

In block of address

the ip address is

$$101-10-11 24/8$$

ip into binary:-

$$01100101, 00001010, 00001011$$

$$00011000,$$

TALHA 14526

If we set 32-8 right
most bits to 0, we

$32 - 8 = 24$ to right
most 0's
 $= 24$

First network = 101.0.0.0

Again binary 32-8 to
rightmost is

01100101, 11111111, 11111111, 11111111

101.255.255.255

↓

Last Address

TALHA 14526

$$\frac{00E}{\underline{\quad}} \quad \frac{NO}{\underline{\quad}} = \underline{\underline{4}}$$

ANSWER :

$$160 \cdot X (ID_{3+4}) = 0/16$$

$$ID = 14526$$

$$ID^{3^{th}} = 5$$

$$ID^{4^{th}} = 2$$

$$ID_{3^{rd}} + ID_{4^{th}} = 7$$

$$X = 1 + 4 + 5 + 2 + 6$$

$$X = 18$$

$$160 \cdot 18 \cdot 7 = 0/16$$

(a) First group has 16

customer

14526

$$\underline{\text{Que No}} = \underline{3}$$

ANSWER

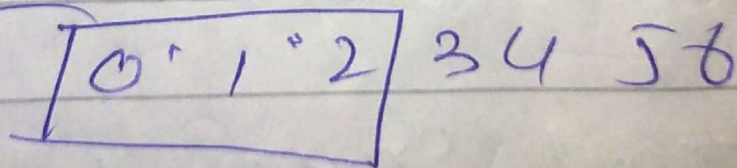
$$ID = 14526$$

$$\text{last digit} = 6 = 6/2 = 3$$

$$= 3$$

$$\text{window size} = 3$$

Receiver



Window of PDU may

transmitted 3 bit

window

14026

B => After stack from

0, 1, 2, 3, 4 - -

Sender :-

A has shown RIT

window as it has transmitted

5 PDU's but received

3 PDU's hence keeping

3 PDU

0 1 2 / 3 4 | 5 6 7

Receiver :-

0 1 2 / 3 4 | 5 6 7

Receiver received

3 bit size

14526

⇒ After 9 from J &
and B act 5 the
act is received
by A

Sender :- 012345/6 7 01

Receiver :-

012345/6 7 0 1

Act Received by