



| ()2       | which are 0x3456, 0xABCC, 0x02BC and   |
|-----------|--|
|           | which are 0x3456, 0xABCC, 0x02BC and   |
|           | O× EEE£  |
|           |  |
|           | 0x3456 = 0011010001010110  |
|           | 0x ABCC = 101010111001100  |
|           | 0x 02BC = 0000001010111100   |
|           | 0x FEEE = + 111011101110   |
|           | 11101000111001100  |
|           |  |
|           | 1101000111001101 ——— (1)   |
|           |  |
|           | Now taking I's complement of (1)   |
|           |  |
|           | $\underbrace{0010}_{2} \underbrace{110}_{110} \underbrace{0011}_{2} \underbrace{0010}_{2}$ |
|           | (14)E 3 2  |
|           | The checksum from the sender's side  |
|           | is as shown above. = 2E32  |
|           | So from sender's end the bits that   |
|           | will be send which is checksom   |
|           | will be send which is checksom i.e. along with the four date items.                        |
|           |  |
| <u>b)</u> | Now sine there are no errors at  |
|           | the receiver's end. So at the receiver's   |
|           | end, all the data items will be added  |
|           | along with checksom and it will be   |
|           | 0010111000110010   |
|           | 0011010001010  |
|           | 101010111001100  |
|           | 111011101110   |
|           | + 000000101011100  |
|           |  |
|           |  |
| //        |  |

On taking I's complement we get affect were no errors in deceiving double.

= 265.75 Kbps