





Ans to the ques no: 2

a) No of transmitted bits for synchronous transmission:

$$\text{no of bits} = 1000 \times 8 = 8000 \text{ bits}$$

b) ~~no~~ asynchronous transmission have a start and end bit with each packet =  $8 + 1 + 1 = 10$ .

$$\text{no of bits} = 1000 \times 10 = 10000 \text{ bits.}$$

c) for asynchronous:

$$\text{redundancy} = \frac{2 \times 100}{8} = 25$$

for synchronous:

$$\text{redundancy} = \text{no redundancy}$$

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