



## 2 NO Q: ANS

~~total bit = 1000 X 8~~

(A) for a synchronous transmission  
number of bits =  $1000 \times 8$   
= 8000 bit

(b) For ~~a synchronous~~ transmission  
we need extra 2 bit for  
8 bit transmission

$\therefore$  number of bits =  $1000 \times 10$   
= 10000 bit

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Q for synchronous redundancy  
Percentage =  $\frac{8000}{8000} \times 100 = 1$

for asynchronous  $\frac{10000}{8000} \times 100 = 2.5$