1) TFR = (31 - 5.6) = 35.4 ns Station 1 to Station 2 TP = 12556269181 Station 1 to Station 3. Tp = 18.4 - 5.6 = 12.8 m , Max Tp = 12.8 ms ?i) For detecting collision, 12-8 18-11-5.6 = 12.8 TFR>=2Tp m = 12.80s : Minimum cases, TFR = 2 X Tpmax [Here, Tp2 Tpmax] (= 25.6 ms TER Bandwiddh 8.51 x C => F.S = 25.6X10 -9 X 10X109 bits = 256 617 0.956 = 32 byte _160.0

Frume transmission in the diagram,

TFR = $35.4 \text{ ns} = \frac{MF.5}{8.40}$ $\Rightarrow F.S = 25.4 \times 10^{-9} \times 10 \times 10^{9}$ = 254 bits $= \frac{254}{8}$ = 31.75Ans: [No]