

⑪

⇒ The duration of 1 bit for 10 mbps is :

$$= \frac{1 \text{ bit}}{10 \text{ mbps}}$$

$$= \frac{1}{10 \times 10^6 \text{ bps}}$$

$$= 1 \times 10^{-7} \text{ s}$$

$$= \boxed{10 \times \mu\text{s}}$$

⇒ b) :

The rate of the link is 4 kbps.

⇒ c) :

The duration of each time slot $\frac{1}{4}$ ms or 250 μs .

⇒ d) :

The duration of a frame 1 ms.