$$y = 0.9 \sin\pi\left(\frac{x}{15} + \frac{2t}{0.3}\right)$$

$$\rightarrow \quad y = 0.9 \sin\left(\frac{2\pi t}{0.3} + \frac{\pi x}{15}\right)$$

$y = a\sin(\omega t + \frac{2\pi x}{\lambda})$ සමාන කරන්න,

$$\omega f = \frac{2\pi f}{0.3}$$

(i) $\omega = 20.94 \text{ rads}^{-1}$

(ii) $T = \frac{2\pi}{\omega} = \frac{2\pi}{20.94} = 0.3\text{s}$

(iii) $\frac{2\pi}{\lambda} = \frac{\pi}{15}$ $\therefore \lambda = 30\text{cm}$

$$v = \frac{1}{0.3} \times 30$$

$$= 100\text{cm}^{-1}$$