

$$T = 27 93 \text{ N}$$

$$a_{A} = -0.498 \text{ m/s}^{2}$$

$$a_{B} = 4.15 \text{ m/s}^{2}$$

$$a_{C} = -\frac{1}{2}(-0.498) - \frac{1}{2}(4.15)$$

$$a_{C} = -1.826 \text{ m/s}^{2}$$

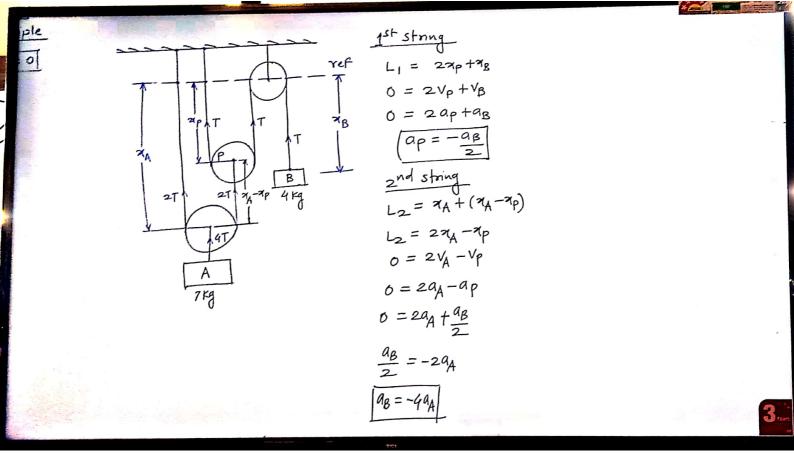
$$a_{A} = 0.498 \text{ m/s}^{2} - (\checkmark)$$

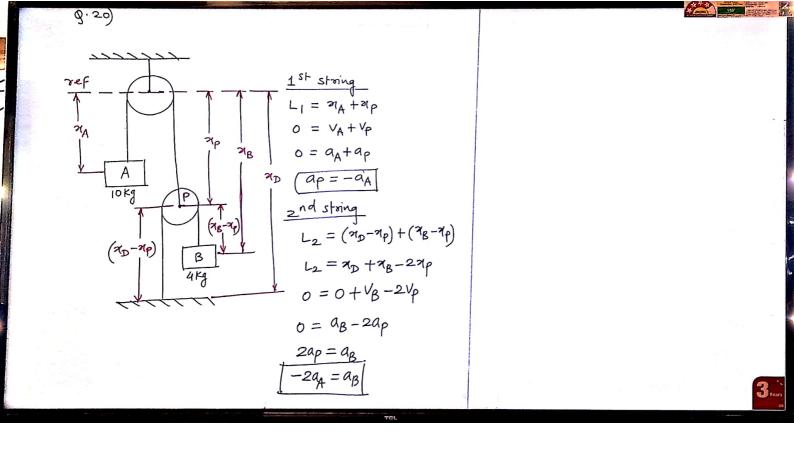
$$a_{B} = 4.15 \text{ m/s}^{2} - (\checkmark)$$

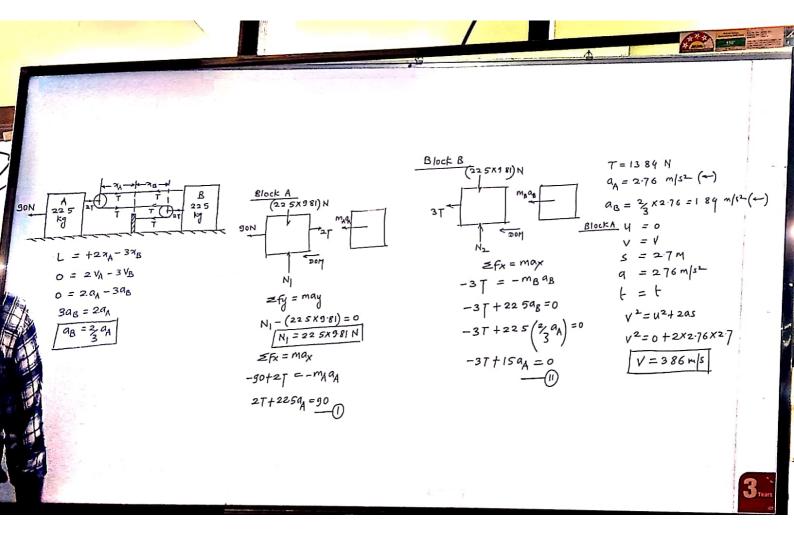
$$a_{C} = 1.826 \text{ m/s}^{2} - (\checkmark)$$

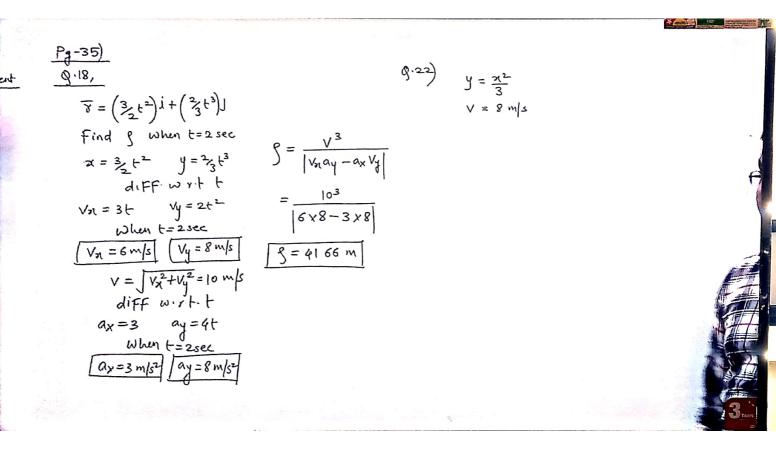
$$T_{C} = T = 55.86 \text{ N}$$

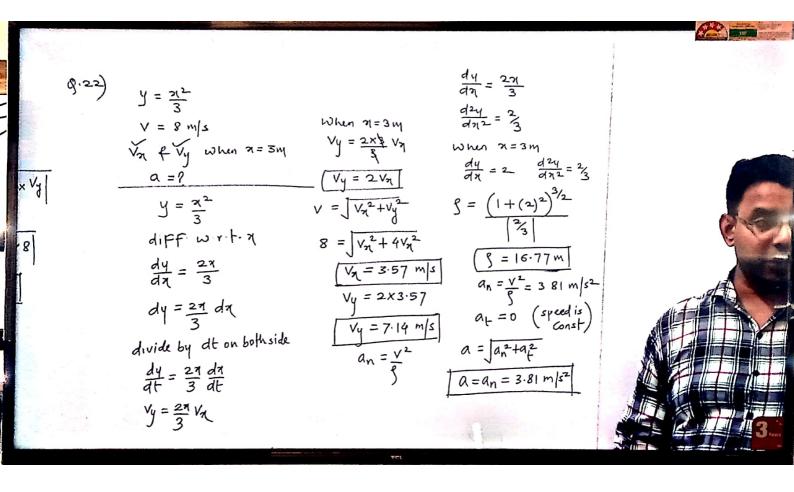
$$T_{C} = T = 27.93 \text{ N}$$

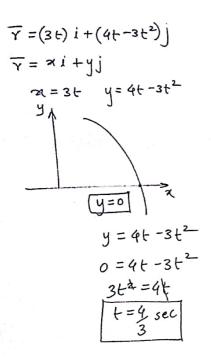












$$x = 3t y = 4t - 3t^{2} S = \frac{53}{3x - 6 - 0x - 4}$$

$$V_{n} = 3 V_{y} = 4 - 6t$$

$$When t = \frac{4}{3} sec$$

$$V_{n} = 3 m/s V_{y} = -4 m/s$$

$$V = \sqrt{3^{2} + (-4)^{2}} = 5 m/s$$

$$a_{x} = 0 a_{y} = -6$$

$$When t = \frac{4}{3} sec$$

$$a_{x} = 0 a_{y} = -6$$

$$When t = \frac{4}{3} sec$$

$$a_{x} = 0 a_{y} = -6$$

$$a_{y} = 0 a_{y} = 0 a_{y} = -6$$

$$S = \frac{53}{3 \times -6 - 0 \times -4}$$

$$S = \frac{6.94 \text{ m}}{3 \times -6 - 0 \times -4}$$

$$a_{1} = \frac{\sqrt{2}}{9} = \frac{5^{2}}{6.94}$$

$$a_{2} = \frac{5^{2}}{6.94}$$

$$a_{3} = \frac{5^{2}}{6.94}$$

$$a_{4} = \frac{3.6 \text{ m/s}^{2}}{3.6^{2} + a_{4}^{2}}$$

$$a_{4} = \frac{3.6^{2} + a_{4}^{2}}{4}$$

$$a_{5} = \frac{3.6^{2} + a_{4}^{2}}{4}$$

