

let side along road = x m

side along river = $2x$ m

area of field = 10500 m^2

$$\frac{1}{2} (b_1 + b_2) h = 10500$$

$$\frac{1}{2} (x + 2x) \overset{50}{\cancel{100}} = \overset{210}{\cancel{10500}}$$

$$\Rightarrow \cancel{3x} = \overset{210}{\cancel{10500}} \quad 70$$

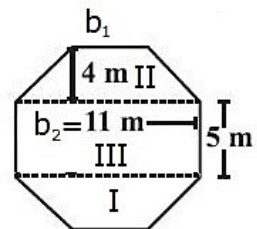
\therefore length of side along river

$$= 2x$$

$$= 2 \times 70$$

$$= 140 \text{ m}$$

9. area of platform



= area of trap. I and II + area of rect. III

$$= \frac{1}{2} (b_1 + b_2) \times h \times 2 + lb$$

$$= (5 + 11) \times 4 + 11 \times 5$$

$$= 64 + 55$$

$$= 119 \text{ m}^2$$