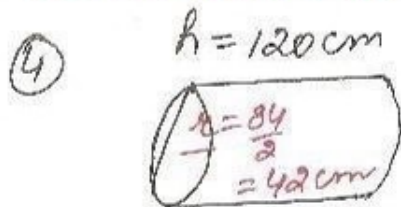


Ex 13.2



area of playground

$$= 2\pi r h \times 500$$

$$= 2 \times \frac{22}{7} \times 42^6 \times 120 \times 500$$

$$= 264 \times 500 \times 120 \text{ cm}^2$$

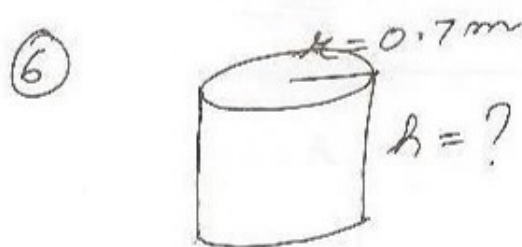
$$= \frac{264 \times 500 \times 120^6}{100 \times 100} \text{ m}^2$$

$$= 1584 \text{ m}^2$$

cost of painting 5.5 m^2

$$= 5.5 \times 12.5$$

$$= \text{Rs } 68.75$$



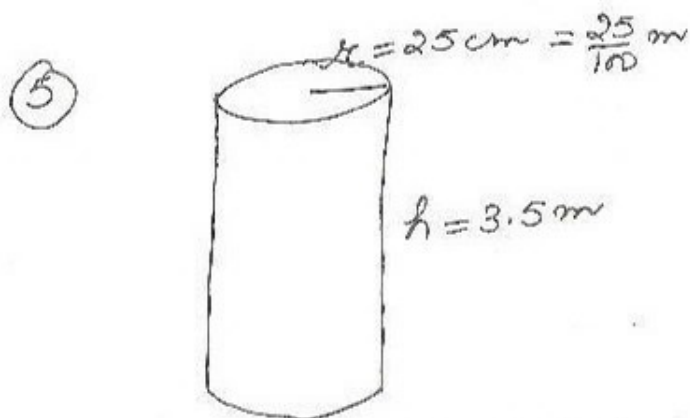
$$\text{CSA} = 4.4 \text{ m}^2$$

$$2\pi r h = 4.4$$

$$2 \times \frac{22}{7} \times 0.7 h = 4.4$$

$$2 \times \frac{22}{7} \times 7 h = 44$$

$$h = 1 \text{ m}$$



area to be painted

$$= 2\pi r h$$

$$= 2 \times \frac{22}{7} \times \frac{25}{100} \times 3.5$$

$$= 5.5 \text{ m}^2$$

cost of painting

$$1 \text{ m}^2 = \text{Rs } 12.50$$