

4)

$$\text{Scrap value} = C(1-i)^n$$

$$30,000 = 1,00,000(1-0.2)^n$$

$$\frac{30,000}{1,00,000} = (0.8)^n$$

$$0.3 = (0.8)^n$$

$$0.3 = (0.8)^n$$

option :- b 5.4 years

(approx.)