

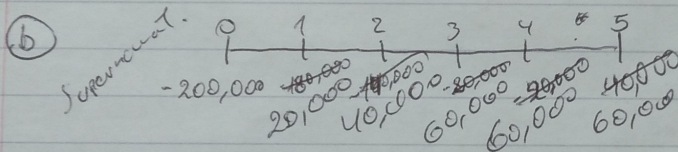
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COURSE : MANAGEMENT INNOVATION & SUSTAINABILITY (MEXO1176)

Q1 Invs. 200,000

Balance.	Supernatant	Fuge 41	Centre 4
Year 1	(180,000)	(120,000)	(140,000)
Year 2	(140,000)	(60,000)	(80,000)
Year 3	(80,000)	0	(20,000)
Year 4	(20,000)	40,000	40,000
Year 5	40,000	80,000	100,000

PAYBACK.	Supernatant.	Fuge 41	Centre 4.
X_1	$4 + (20,000/60,000)$	$2 + (60,000/60,000)$	$3 + (20,000/60,000)$
X_2	$= 4.33 \text{ Years.}$	$= 3 \text{ Years.}$	$= 3.33 \text{ Years.}$
X_3	$= 4 \text{ Year 3 Months}$	$= 3 \text{ Years}$	$= 3 \text{ Years 3 Months}$



$$PV_0 = -200,000$$

$$PV_1 = \frac{FV_1}{(1+i)^{n_1}} = \frac{20,000}{(1+0.1)^1} = 18181.82$$

$$PV_2 = \frac{FV_2}{(1+i)^{n_2}} = \frac{40,000}{(1+0.1)^2} = 33057.85124$$

$$PV_3 = \frac{FV_3}{(1+i)^{n_3}} = \frac{60,000}{(1+0.1)^3} = 45078.888$$

$$PV_4 = \frac{FV_4}{(1+i)^{n_4}} = \frac{60,000}{(1+0.1)^4} = 40980.81$$

$$PV_5 = \frac{FV_5}{(1+i)^{n_5}} = \frac{60,000}{(1+0.1)^5} = 37255.28$$