Day: MTWTFS Date:
Day: MITWIFS 19-EE-328
1100
Case - Study 9
Crowd-Funding
Crowa - John a
1) consider the "Corand father clock"
1) consider the "Grand father (lock)
a)
Total population = 200 M
Total cost = 101
Total cost = 100 M Total cost = 100 M
111111111111111111111111111111111111111
Amount to be collected per individual = 1919
= 0.00.5 Rs
0,005
b) As only 2005 Es to be
Mected from each individual
It can be collected
easily within one month.
2) Consider Disney Lond 11
Total population = 200 M Total cost = 10,000 M
Total cost = 10,000 M
Amount to be collected
per jadisiluo (= 10,000 M
200
= So Rs

As only To Rs to be collecte" from each individeral. be collected within one month 3) Consider now the most important project ---? Total cost = 18x10

Total population = 200x106 Amount beguire for indicio 18x 15 = 90 k R Essential dreamers pag = 250/month Realist pay = 50/month Total E.d = 80 M Total Robist = 10 M

Approved denoted in one month

= (250 x 891)+(50 x/01/1)

= 2.65 x 100 Amount denoted or collected
in one year = 12x 2.05x /0°
= 2.46x/0′ Years required = 18x10"

2.46x10"

= 73-1 years Total debt = 18 × 1012 Tital debt to pg in

ore month = 18x/6"

12x/0

= 15x 10" Let y is the most chartes

by E.D and n is

the amost donated by

Reolists.

ED donate, 5 times more

Than reolists

y = 5 Th

-50 15×10 = 52 ×86 M+ 2×10M 15×1010= x410M n= 15x 10'0 n = 365.85 7 = 5(n) = 1830 E. Dipays = 1830 feelist will pay = 365-8 d) to increment 5%, multiply by 1-05 Principal Amount 1.89×10/3 2022 1.9845 x 10'5 2.083725x 1013 2029 2025 2.187911 x 10'5 2026 2-29x 1013 2027 2-419×1013 2028 2-53x/013 2-65 x 1013 2029 2030 2.79 ×1013 3031 2-93×1013 C) Total arount with increment from port (d) = 2.43x163

anoth to be paid few months $\frac{2.93 \times 10^{13}}{12 \times 10}$ $= 2.49 \times 10^{113} \text{ Ps. fmant}$ Im 3(c) $R = 2.49 \times 10^{11}$ $\frac{410 M}{600}$ $\frac{2592.6}{9=52}$ $\frac{592.6}{2}$ $\frac{592.6}{2}$ E.D pays = 2963 Rs/months

Reclists pags = 592-6 Rs/months. E.D can pay = 400 ks/monthy

Total amount per month = 400 x 85 M

= 3.2 x 10'0

We's Parament paid by Realists Amant to be adheated/months 2-43×10" = 3.2×1000 + (xx10M) - 2.11x10" 22 21100 Cof month

9) Day: MIWIFS

	Pripupol Interset Donath					
		Interset	Donatha	Remaining		
1001	Amount	Amon Dt		DIA		
	18x1012	9 x 16"	0	1-89 x163		
2022	1.89 x1015	9.45 10	2.7x 10	1.71 VIO'S		
2023	1.71×10'	8.5×104	2.7x10'2	1.5 x/ 013		
2024	1.5×1013	7.6×1011	2.7x/02	1.3×10/3		
2025	1.3x 1015	6.5×10"	11	1-09/1013		
2026	11542/015	多男丁. 4年16	1/	8-74/52		
2027	A CONTRACTOR OF THE PARTY OF TH	9-3/2/04	11	6-47×10'8		
2028	6-47x10/2	3.23x/0"	11	4.09x10'2		
2029	4.09 K/0/2	2x104		1.59 x /0/2		
2036	1-59 ×1012	7.9 × 100	11			
2031	-1×1012	-5 x /010		-1-03x10'		
-			1/	-3.75x10		

Day: MTWTE			D 4.0	D
Petreijola	T. Level	New	Donation	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Yen Amund	Amount	Dest	6	89/2/0/3
. 18 1	9x1511	\bigcirc		1-9085×103
7 27 1.89/10/3	9.45 x/0	1,89×1012	2.7x/0/2	1-948×103
2×23 1.9.3×10 ¹³	9.51 X10"	1-4-5x	2-7×10/2 2-7×10/2	
2024 1.948×1013	9,7441011	1-978/12	27/10/1	-9 85 J-17
2475 1.47 4/0	9.85x10"	1.9/x/00	2.7x/0 1	814413
7126 1.99 >100	9.9x10"	1,44 x/3	27x162 2	e9/10/-13
2,27 2.8/4x/05/	14 y 10/2		2-7x102 3	174/13
2028 2.98×10 1.	48×1012	2,96×10	2-1X10 5	27 13
2029 3.17x10 1.	58×10/2	3.17x/0	2.7/2/3	S/X/0
2020 2.37x100/1/10	68 x 10	3.37 y/6 2	7.164 3.	27.1013
2031 3.60x/018 1.	89x1012	3.60x10 2	-7 y/6 2 3.	8 /X 103
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and it is a second			113	
Assuming	(Vourel	funding.	els flor	154 40.51
	lution,	//	CAR OPL	M
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Date: __/___/20 Day: MIWIFS tourism