peroject costs Rs, 25000 led to generate the fol cash inflows: Cash inflows (0,000 8,000 (19,000 a.s. 6,000 The cost of capital is 12%. the basis of project be accepted 8 on NPV costerior 7

The same of the sa			
Year (1)	Cas & Flows	# (I+P)E	Ct (1+p)E
and the same of th	10,000	0.893	8,930
	8,000	0,797	6,376
2		0.712	6,408
3	9,000 6,000	0.636	3,816
4 5	7,000	0.567	3,969 2 9 ,499
		04	mitial Investment
NAN		1 (1+r) = - 1 (1+r) = - 1	- de a l'action de la constitución de la constituci
	= 29,4	+	H smars,
	Alberta Line	00	100 100 100 100 100 100 100 100 100 100
- The	e project	generates a f	re project
N	should be	accepted.	re project

A from 1s considering an investment proposal cohich requires an justibal cash outlay of Rs. 8 lake now and Rs. 2 lake at twice year. It is expected the and of thord year. It is expected to generate cash-flows as under: Cash inflows and calculate Apply the discount rate of 12% profitability index. Should the from accept the project according to this conterla.

Present Value of Cash out flows.

Yea	or (t)	Cash-Jlow	(I+P)E	(1+10)t	. Y . 2.
	b 1	8 lakhs	1 000	8 lakh	<u>s</u> .
	2	0	<u> </u>	36	
	3	2 lakes	0.712	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 Lakhs. 4 Lakhs.
		7	'a n g	100	1-

	1 19 -9	. X	1 2 1	
Year (t)	Castolow	(144)	1+P)	# 1
1	3,50,000	0.893	3.1255	· Xii wa
0	9,00,000	0.4.97	6.376	lakehs
L		0=	0001078	lakhs
3	2,50,000	0.712	1 - 0.53	5 lakhe
]	(CD6 0)-	000,000	

PI = Total of present value of cash inflows Total of present value of cash outflows

Since, the profitability index of the project is greater than 1, it should be accepted.

9. A project requires an initial outlay of R. 1,00,000. It is expected to generale the following cash inflows: Cash inflows Year 50,000 50,000 30,000 can 40,000 Calculate the IRR of the project? Assume the discourt rate to be 20%. Solution: and calculate the NOTS Present value of (1+·2) + 50000 + 30,000 (1+·2) = (1+·2)3 = 41,666.67 + 34,722.22.4 [7,361.1] + 19,290.12 = 1,3,040.12

Assume the discount rate to be 30%. and calculabe the present value of Present value of cash-shows. $=\frac{50,000}{(1+3)^2}+\frac{30,000}{(1+3)^2}+\frac{46,000}{(1+3)}$ = 38,461·54 + 29,585·8 + 13,654·98 + 14,005.12 95,707·44 Since the initial investment of Rs 1,00,000 Des between 95,707.44 (30%).) and 1,13,040.12 (20%) the IRR by interpolation

Since the mitted investme

$$1RR = 20 + \left(\frac{1.13,040 \cdot 12 - 1.00,000}{1,13,040 \cdot 12 - 75,707 \cdot 44}\right) \times 10$$
 $= 20 + \left(\frac{13,040 \cdot 12}{17,332 \cdot 63} \times 10^{\circ}\right)$
 $= 20 + \left(0.7524 \times 10\right)$
 $= 27.52 \cdot 1$