5) from the following information Calculate IRR

Initial investment RS 32,000

Years	1	2	3
Cashinglow	16,006	14,000	12,000

Aug cash in flow = 14000 Jake pay back period = 32000 = 2.285

take 14% to 15%

Year	Oash in Iow	FPV for	prising	PV factor for 15%	Privint Value
1	16000	0.877	14032	0.870	13920
٦	14000	0.769	10766	0.756	10584.
3	12000	0-675	8 100	0.628	7896;
		g t	32898		32400

IRR = Lower rate + Prat lower Rate - Cashoulfbox Xdiffere Rat lower rute - Prat Higher rate ins

$$= 14 + \left[ \frac{32898 - 32000}{32898 - 32400} \right] \times (15-14)$$

IRR = 15.8

Pay-Beck poriod

Initial	investo	un t	RS. FU	,0001	_
Years	1	2	3	4	5
Cash in flow	10,000	20,000	30,000	45,00	60,000

501-	year	clash inflow	Cumuletive
	1	10,000	10,000
	<u>ي</u>	20,000	20,000
	3	30,000	60,000
	4	45,000	1,05,000
	5	60,000	165000
-	1	1	

Payboock period = years + Short of initial inventum Cash in flow of prext you A Pay back muthal

90. In how many year you can get back your initial investment of 20000 2 3 4 5 Years 1 Canflew 8000 8000 8000 8000

of Sol: How costiflow is even

-. payback period = \_Anu count flu

 $=\frac{20000}{8000}$ = 2.5 years.

•	(07)	_	
Years	or Cashflu	Cumulti	
1	815	8K	PBP = 2+ 4000
2	8 K	16 K	PBP = 2+ \$000
3	8 k	24K	= 2.5
4	8 K	32K	
		GOK	,
) 2	8K \		_

18) calculate, perofitability index						
Investment PS. 9,00,0001-						
	discount 12	re 6%				
Yean !	Cash Inflow	Pufacia 10%.	Privart			
1	3,00,000	0.909	212700			
2	5,00,000	0.826	413000			
3	6,00,00	0.751	450600			
*.	•					
	Total printing = 1136800					
NPV= net present value _ Cash out flow (Inital investant)						
	= 1136360 - 9,00,000					
= 236,300						
NPV +ve project accepted.						
profitability index = total annual earl present						
invertment						
900000						
= 1.26						

14) from the tollowing information calculate ARR Intial meeting to,00,000/ Sciepvalue 80,000 work aptial is 2,00,000/-Year) Cash 1,00,000 2,50,000 3,70,00 4,30,000 5,10,000 Haws Carinh year APR = Avg Anual prefit
Coshirt X100

Avg investment 100,000 2,50,000 2 3,70,000 4,30,000 5,10,000 5 Alg annual Slow = 100 000 + 250 000 + 370000 + 430000 + 510000 = 332000 They investment = 1 (intial cost - scrap) + Scrap tworking capital = 1 (4,00,000 - 80,000) + 80,000 + 2,00,000 = 440000 ARR = 382000 = 0.75.45 440000 = 75.45%



