(5,00,000) X, B. 5,00,000 Rs. 20,000 consulting fee IPR= 23% A new project ! have to pay this even if we do not take up the project. angthing common b/w 2 alternatives <- Sunt cost - cannot recover it. -> Po not consider cunk costs while considering each flows. Principles for estimation of each flows for a project -> Sunk cost - de not consider -> Incremental Cash Flow For expansion projects! (30,000) (2000)

- å avredy being

produed earlier -> Relevant Cash flow -> Opportunity Cost > Side Effects > Affecting sale of one product due to launch

> Final desire - 1/0 Tinaving decisions v/s Investment decision -> Checking fearibility of a project:-Marketing (Demand) Technical Socio - econômic Financial

-> Classification of Project !-Conventional Non-conventional (200) 700 l sign charge P2 (2100) (300) 1820 1,800 2400 3 sign changes > 1 Sign change => Non-conventional -> Capital Budgeting Exercises PBIT 310,000 NOPAT 280,000 245,000 140,000 217,000 Net Operating Profet After Tax = PRITX (1-T) 150000 Add depreciation 150000 150000 430000 Operating Cash Flow 367000 290000 50000 Solvage Value Indial Investment (800000) (800000) Net Cash Flow 367000 395000 430000 424000 290000 Accounting Rate of Return (ARR) = Average NOPAT Average 800000 + 50000 = 425000

Accept if IRR >/ COC

→ × Expected nate of return = 20%. 0 (10) (100) 150 20 IRR 11007, 6507. NPV 6.67 25 the other Rs. 90 would be invested at Rf. Y-X (90) Since incremental project is ferrowable, go for project y. IRR 44.44 To 720 To -> Mostly conflicts are resolved in favour of NPV. (CSI coutd.) -> Profitability Index(PI) -> Gross PI or Gross Benefit - Cost Ratio PV of Cash inflows PV of cash outflows → Net BCR or Net PI = Gross PI -1 -> Criteria: Gross PI>// (or) Net PI>/0 Gross PI = 1.6743 Net PI = 0.6743 (9-12) (nowover Rate -> Rate at which NPV of both projects become equal

Non-connentional projecte lead to multiple TPRs. more chan I sign change -> S.P = Rs. 200 Initial investment in fixed assets = 25.20,000 Initial working capital= Ps. 200 # of units (20,000) O.T. WC. (1400) DNNC (1000) Recovery of 5600 800 NWC -> CF = [Qx (SP-VC) - FC - Dop]x(1-T) + Dop (14 year) = $(10,000 \times (120-50) - 150,000 - 20000) \times (1-0.30)$ + 200000 C SV = 4,45,000 4,45,000 × PVIFA(15%,5) + 200000 (1.15)5 1100000 + 200000 In. Inv. IVC

```
27/3/23
-> NPU u/s IRR conflict
   NPV assumes reinvestment rate @ CoC.
                                   n @ IRR itself.
-> Discounting - Bring, all negative cash flows to t= Zero.
(9-19)
GAt t=0, with - ne cash flows,
      -16,000 = -\frac{5100}{(1+0.10)^5} = -19,166-69
  -> Reinvestment approach -
   Take all cf except t=0 to last year.
                                                             -5100
                                                       + 6,500 ×1.10
   (16,000)
                                                        + 8,400x(1.10)
                                                        + 7,8 00 x ((·10)
                                                           = 6,100×(1.10)
                                                    = 31,526 .81
                                      Now treat Like Zero-coupon
    MIRR = \left(\frac{31,526 \cdot 81}{16,000}\right)^{15} - 1 = 14.53\%
 -> Combination approach -
  Bring all -ve to t=0, and all +ve to the end.
                VIS 36,626.81
     MIRP = \left(\frac{36,626-81}{19,166.69}\right)^{1/5} - 1 = 13.83\%
```

-> contribution Margin (1200) -> PRIT (common b(w continuing of discontinuing)—should similarly - deprocedation (RS. 400) - Say, a Pipeline project: (40,000) (20,000)Y=10% (6,000) (5,000) (5,000) 12 years 8 years Consider project with least negative NPV. b) Needs to be replaced ofter Eyears, 8th yr cash flow = -20,000 -5,000 = -25,000 Take Lem = 24, compose nou Replacement Chain approach 7 Equivalent annual cost = NPV PUIFA (r,n) when NPV < D Equivalent annue benefit

28/3/23		0	,	2	3	4	5
Net w.e. required	Soles	-	10,000	14,000	19,000	23,000	16,000
vc (as 7. of sales) = 40	V.C.		4000	5600	7650	9200	6400
	Constribution Margin		6,000	8,400	11,400	13,800	9,600
F-C. (excl.dep) p.a.	F.C. excl		3,000	3,000	3,000	3,000	3,000
Original cost of machine = R530,000	Reproci-		5,000	5,000	5,000	5,000	5,000
5.v. at 5th yr and = \$5,000							
= 13 7,000	EBIT		(2,000)	400	3,400	5,800	1,600
	NOPAT (T=25%)		(1,500);	350	2,550	4,350	1,200
	-BIT(1-1)					*	
	OCF (NOPATT		3,500	5,300	7,550	9,350	6,200
	Dep.)	(2. 100)					
	cost - machine	(31,000)					
	working (1,000)	(4,00)	(5,00)	(400)	700	1,600
	gr. end.						5,000
•	rut Cash Flow	31,000	3,100	4,800	7,150		1205
	,				17/20	10,050	12,800
Colculate NPV.				,	<i>J</i>		

a Floatation Cost (w.r.t. Coc) Rond coupon 10%, payable somi-annually F.V. 1,000 Icano pr. 1,150 Redepoption @ F.V. Time to mature = 6 years. , Floatation cost = 1% Ka (pro-tax) = 50+ 1000-(1100-11) 1089 0.6×1089+0.4×1000 -> Say, preference share: Div = 12 7. FU = PS. 100 I line price = Rs. 9.8 Floatation cost = 1%. (without Kp \$ 12 7.. K_{p} (with $F.F.) = \frac{K_{p}(\text{without } F.C.)}{(1 - F.C.70)}$ -> Capital Structure - Mix of long-torm finance -> Concept of Lenerage. -> pebt has a fixed rate of interest 1,000 IBIT 3,00 Tax @ 25%, (75) (75) (250) 7257. 7 Int.