Barrie Principles of Capital budgeting

4V - LV

1 . P.B.P

2. D.P.B.P

3, N.P.V

4. P.I

5. IRR Initial Investment=

HP.B.P -10,00,000

cumulative Year CF J0,00,000 0 -10,00,000 4,00,000 1 -6,00,000 2 5,60,000 -40,000 3 5,00,000 4,60,000 4

P.B. P = 24+ 40,000 5:00,000

[- निष्मा नामवना

= 2+(0.08×12) moth

= 2.+ (0.06 × 30) day

= 2 years 28.8 days

= 2 years 29 days

prayback period limitations. n = year D. D. P. B. P: Pirocounted Payback Pexiod: 8-104. years O CF PV of CF 0 -10,00,000 -10,00,000 1 4,00,000 3,63,636,361 2 5,60,000 462809.91 5,00,000 3,75,657.40 7.80,000 5,36,750.49 5. 1941 4,00,000 tro 39 = 91 CF NPN = -70,00,000 E000 as of [000.00] wat dan to va } 2,09,103.67 1,73,553.73 D.P.B.P = 2y + 3,75,657.40 000.00.01

wonth

day

```
NPV = Present value
                          of covoh flow
    NPV = E Prof CF - Initial
                                           8.10.01
                             JOU. CO, DOD
             =20,39,105. 6 - 10,00,000
                             5,60,000
             = 50,39, 105.6
10 to 193. ON 600, 04. 6
                             000 08 15 P = Accept
             5. 56,750.49
         2 rital Pr. 179. HO. 8
                              DODOTO NPY LO
                                       P= Reject
                          = W91,
        ENPY = 400000 + 5,60,000 + 50,0000 + 780000 + (1.10)3 + (1.40)4 +
     000
                           (1.10)5 - 10,00,000 ]
    [1 Profitability Index, m PI = Prof cush flow
                 Initial invertment
                011.721.020,39,105.6
                      -10.00.000
```

= 2.04 PI >1; P= Accept PI<1; P= Reject; PI=0

A project has the following carsh flows

let, x12101/1 Letiges to took sit

NPY =
$$\frac{300}{(1.10)^3} + \frac{400}{(1.10)^3} + \frac{900}{(1.13)^4} - 1500$$

Hain-101/et, lasignes to loop by

$$= \left[\frac{300}{(1.13)^3} + \frac{400}{(1.13)^3} + \frac{900}{(1.13)^4} \right] - 1500$$

NPV = - 92.04

$$= 10 + \frac{18.5}{18.5 - (-92.64)} \times (13-10)$$

$$= 10 + 0.15$$

$$= 10.527.$$
Lower Rank,
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TRR > cont of capital Rejected (76)

Accepted if TRR 2 cont of capital

7 70,000 A GE

2 12,000

Initial inverstment 15,000

and corst of capital is 12%.

3 10,500

4 13,000

+ con + con + con

10 00 - 0 VIV

$$NDV = \left[\frac{10,000}{(1.10)^{2}} + \frac{12,000}{(1.10)^{3}} + \frac{13,000}{(1.10)^{4}} \right] - 15,000$$

$$= 60 + \frac{484.62}{404.62 + 1271.72} \times (70 - 60)$$

IRR> () cont of capital Accepted