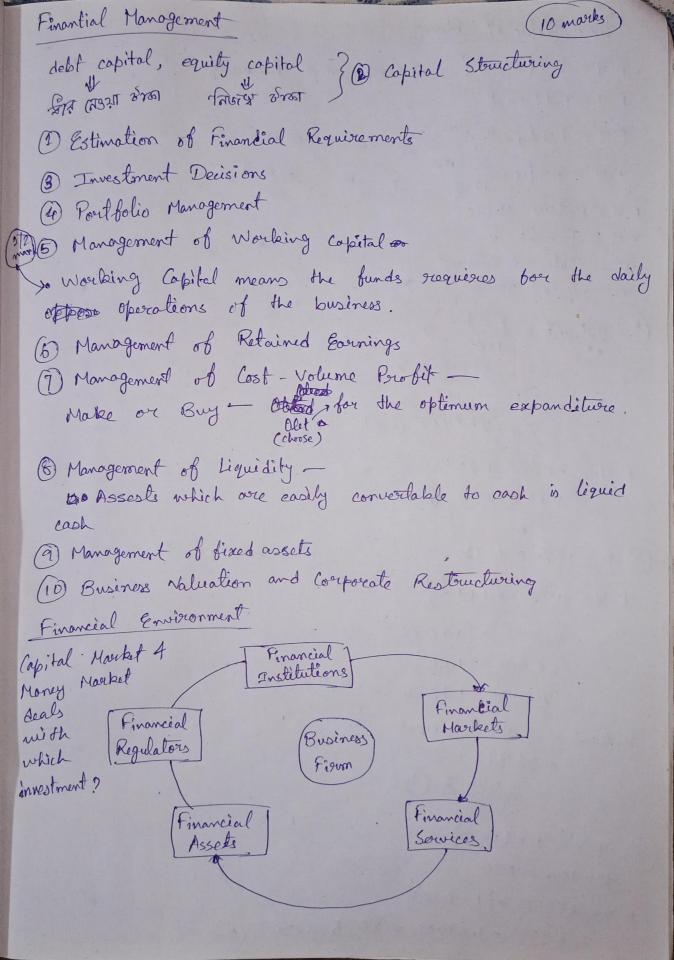
Financial Management 6/2/25 The art and science of managing money is called finance.



Time Value of Money FVZ PV (1+00) -> Compounded Annually Seni u FN=PN(1+2)2m Quarterly FV = PV (14 10 4m) monthly FV = PN (1+ 12)12 m FV2 Future Value PN 2 Present v no = Rate of interest me no. of years 1 Interest = Prot 7 = 25000 (Aus) FN 2 30000 + 25000 7 2075000 E (AM) 1. FNZ PK(I+ P) MT 2 70 = 12% = 0.12 FN220000 x (1+ 0.12) 220000 × (1+0.06) 220000 × (1.06) 220000 a 1.1236 222, 472 (Ans) griterest & FN- Brincipal 222472 - 20000 = 2472 = (Am) 3) FN= Px (1+50) T

FN2 50000 a (1+0.10)5 250000 x 1.61081 280, \$25.50 + (Am) (a)  $FN2PNX(1+70)^{7}$   $PN2 \frac{FN}{(1+70)^{7}}$  PO = 101/2 = 0.10  $PN2 \frac{40000}{(1.10)^{10}}$   $PN2 \frac{40000}{2.59374}$ 

8 P 12 15, 420.40 (AN)

## I Not Present Value:

where,

If, NPV>0 -> Accept

NPV < 0 -> Reject

## Project 1:

$$= -10000 + \frac{5000}{1+0.1} + \frac{4000}{(1+0.1)^2} + \frac{3000}{(1+0.1)^3} + \frac{1000}{(1+0.1)^4}$$

## Project 2!

$$NPV = -C_0 + \frac{C_1}{1+70} + \frac{C_2}{(1+70)^2} + \cdots + \frac{C_4}{(1+70)^7}$$

$$2 - 10000 + \frac{1000}{1+0.1} + \frac{3600}{(1+0.1)^2} + \frac{4000}{(1+0.1)^3} + \frac{6750}{(1+0.1)^4}$$

$$= -10000 + 909.09 + 2479.33 + 3006.25 + 4610.34$$

$$3$$
 1st  $6 = 600$ ,  $6$ 

 $C_1 = 600$   $C_1 = 600 + 600 \times 10\% = 2660$   $C_2 = 0.1$ 

NPV 1st > NPV 2nd. So, 1st option is better.

# Weighted Average Cost of Capital:

Formula: WACC 2 [E/N + Re] + D/N \* [Rd (1-T)]

where,

E = Mouket value of the firm's equity (market Cap)

D = Market rovalue of the firm's debt

N = Total value of capital (equity plus debt)

B/N = Rescentage of capital that is equity

D/N = Percentage of capital that is debt

Re = Cost of equity

Rs = Cost of debt

T = Tax Rate

2. Retained Saving = 21 013% = 2.6 %

3. Pre. Capital 
$$=\frac{1.5}{10} \times 16\%$$
  $= 2.4\%$ 
4. Debtution  $=\frac{3.5}{10} \times 12\%$   $(1-30\%)$ 
 $= 0.35 \times 0.12 \times 0.7$ 
 $= 6.0294 = 2.94\%$ 

Now, 
$$12\% = 0.12$$
  $|30\% - 0.3$   $|12.44\%$   $|20.35| = 0.7$ 

$$\frac{D}{V} = 50\% = 0.5, \quad \frac{R}{V} = 50\% = 0.5$$

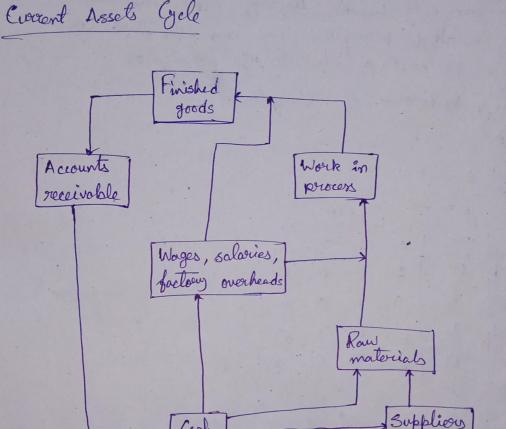
$$R_{d} = 12\% = 20.12, \quad R_{e} = 20\% = 0.2$$

$$t = 40\% = 0.4$$

A capital structure having minimum cost of capital means onex. returns

Sunday - 11:59

20/3/2025 last date: 27-3-25 Assignment Discuss the three strategies of working capital management along with diagrametic representation. (10) 2) Discuss the five factors influencing so working capital management requirements, (10)



i) for the very beginning some amount of each is needed.

11) By using this reach, or now materials can be sold.

111) Using the rais materials we can make gross,

in) Then the goods are sold on credit that converted in to accounts receivable,

r) It generates the each again.

Capital Asset Pricing Model E(R) = Rg + B(Rm - Rp) Risk Premium

expected sisk Bota return from

return of the factor the market security Rg = 3-1. = 0.03 Sola: E(R) 20.03 + 0.89 ~ (0.15 - 0.03) Rm 2 15% 20.15 20,1368 B 2 0, 89 213.68% B(R)2?

The expected rectiven for Z limited based on the its level of sematic that risk o is 13.68%. The company is currently priced to return 14%. As this return, i.e. 14% is higher than the would be expected return for the level of systematic nisk, & Z limited is underpriced. Since, & limited is underpriced, one should buy the shores of 2 limited and earn a return higher than would be empected return for the level of systematic risk.

 $\frac{3.2}{28.2} = \frac{1.35}{13.5 - 8.2}$   $= 8.2 + 1.35 \times 5.3$  = 8.2 + 7.135 = 15.355