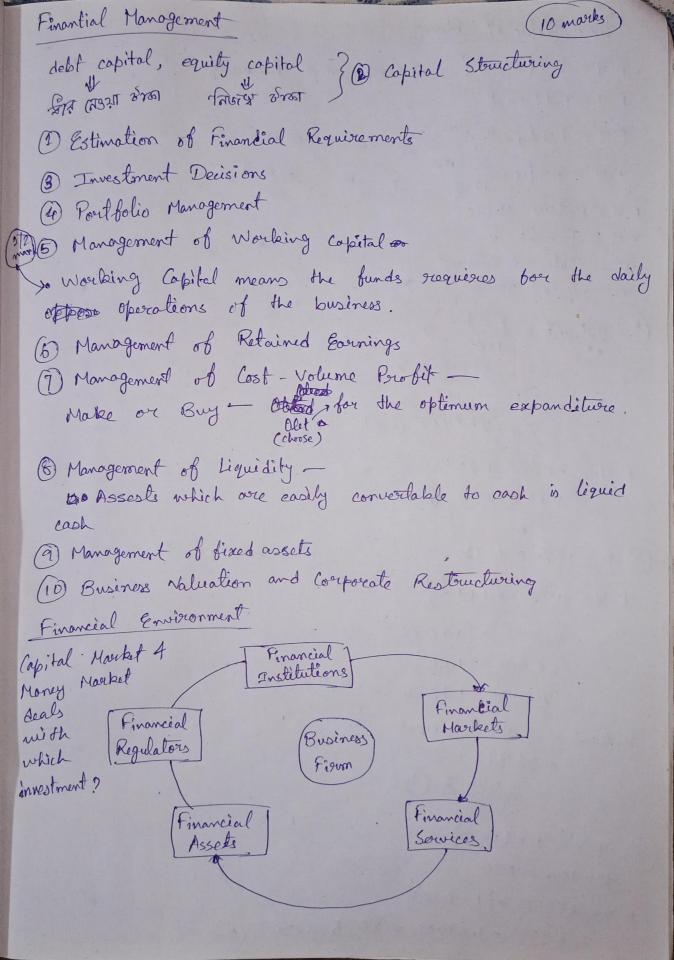
Financial Management 6/2/25 The art and science of managing money is called finance.



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 $PN2 \frac{40000}{(1.10)^{10}}$ $PN2 \frac{40000}{2.59374}$

8P1215, 420.40 (AN)

met Present Value:

where,

If, NPV>0 -> Accept

NPV < 0 -> Roject

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!

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

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

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

$$\frac{2}{2}$$
 (= 750000, (, = 990000), $\frac{2}{6}$ = 0.05, $\frac{4}{2}$ 1

 $\frac{2}{1+\infty}$
 $\frac{2}{1+\infty}$
 $\frac{2}{1+0.05}$
 $\frac{2}{1+0.05}$
 $\frac{2}{1+0.05}$

$$3$$
 1st $C_0 = 6000$, $C_1 = 680$, $80 = 10\% = 0.1$ 140.1

$$C_1 = 600 + 600 \times 10\% = 660$$

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

Meighted Average Cost of Capital:

where,

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

D = Market ro value of the firm's debt

N = Total value of capital (equity plus debt)

E/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

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

WACC = 0.5 x 0.2 + [0.5 x 0.02 x 0.6] -> 1-0/5

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

Sunday - 11:59