Assignment (Spring 2020)

Program: MBA-90

Semester: 4th

Course: Financial Management

Lecturer Name: Naveed Azeem

Assignment Submitted By: Ali Latif Awan

Roll No: 15319

Chapter NO 1: - Introduction to Managerial finance. 2/13 Chapter NO 1:- Case Study 1 Asserting the Goal of Sports Products, Inc. Q# 1:- what should the management of Sparte Producte, Inc., pursue as its overriding goal? why? Anende: Maximization of share holder wealth, which means maximization of Iraxe poice, should be the primary goal of the Jism. Unlike profit maximization, this goal oursides # timing, Cash Flows, and visk. It also reflects the worth of the owner's investments in the From atrany time. It is the value they can realize should they decide to sell their shaves. QL: Dose the Firm appear to have an agency problems Explain. Anwer: Yes, there appears to be an agency problem. Attough compensation for management is tied to profits, it is not directly linked to shave price. In addition, wavegement's actions with segunde to pollution controls evegest a profit maximization focus, which would maximize their earnings, souther than an attempt, to maximize shave price.

Pa 3 13 Q 3: Evaluate the Firm's approach to pollution antrol. Does it seem to be ethical? Why might incurring the expense to control pollution be in the best interests of the Firm's owners in spite of its negative impacts on profits of Annexs: The Firm's approach to pollution controls seems to be questionable ethically. While it is unclear wheather the their acts were intentional ar accidental, it is clear that they are socialating the law-an illegal act potentially leading to litigation costs - and as a xecuit, are damaging the envisormout, an immoral and unfair act that has potentia regative conlegenerces for society in general. Clearly, Sports Products had not only broken the law but also established poss standards of another and mosal judgment. Qui. On the basis of the information provided, what Specific secommandations. would you after the fism ? Annex: - lome specific remommendations for the Firm include: a, The management, and possibly employee, compensation to share place as a performance-based measure and make sure that all involved own stock and have a stake in the Firm. Being compensated partially on the basis of share price as another performance measured, and owning stock in the His will more closely that link the wealth of managere and employees to the Firm's performance b) Comply with all Federal and state lows as well as accepted standade of and conducts or mosal judgment. Establish a coxposate ethics policy, to be seed and signed

by all employees.

Pg 4/13 Chapter NO 2: Financial Statements & Analysis: Case Study :- Assersing Martin Manufaculing's Cussout Financial Position. Q1:- Galand Calculate the girms 2003 girancial ration, and then fill in the preceding table. Answer: Martin romanufacturing Company is an intergrative case Study addressing Financial analysis techniques. The company is a capital-intensive From which has poor management of accounts secesivable and inventory. The industry awayse inventory turnover can furthate From 10 to 100 depending on the market. a, Kation Calculations: Financial Ratio 2003 \$ 1,531,181 = \$ 66,000 = 2.5 Current Ration (\$ 1,531,181 -\$ 700,625)=\$ 616,000=+ Quich Ratio \$ 3,704,000 : \$ 709,625 = 5.3 Inventory twover (times) FZ= (005=000,250,21)=012,208 \$ Auexage Collection Resid (days) Total auch turnouex (time) \$ 5,075,000 = \$ 3,125,000 = 1-6 \$ 1,701,250 : \$ 3,125,000 = 57 % Debt ratio \$ 153,000 = \$ 93,000 = 1.6 Time intexent earned \$ 1,371,000 = \$ 5,075,000 = 27% Good Profit margin \$ 36,000 = \$ 5,00,000 = 0-71% Neb Profit, margin \$ 36,000 = \$ 3,125,000 = 1-2% Return on Total Assest 36,000 = \$ 1,343,700 = 2.7% Return on entity

Historial Ration
Martin Manufacturing Company

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Pala	Actual	Actual	Actual	Judnetsy
Ratio	2001	2002	2003	Average
Curseul satio	1.7	1.8	2:5	2.1
Quick valio	1.0	0.9	1.3	1.2
Unventory turnover (times)	5.2	200	5.3	10.2
Aveage Collection Period (days)	02	22	77	46
Total assets turnous (times)	2.1	1.7	1.6	2.0
Debt satio	45.8%	54.3%	57%	24-5%
Times interest earned	2.2	1.9	1.6	2.5
Goss profit margin	275%	28.0%	27.0%	26-0%
Net profit margin	1-1 %	1-0%	0071%	
Return on total assesses	1,7%	105%	1.2%	2.4%
Return on equity	3-1%	3-3%	2.7%	3.2%
,		38.7	34.48	43.4
Asice/cerninge satio	1.0	1-1	0-89	1.2

Q2: Analyze the 7ism's current Financial position 7som both a cross-sectional and a time-series viewpoints. Break your analysis into evaluations of the 7ism's liquidity, activity, debt profitability, and mankets.

Answer: - Liquidity: - The From has sufficient absorbs to over custot the liquidities. The trend is upward and is much higher than the industry average. This is an unfavorable position, since it indicates too much inventory.

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Activity: - The inventory turnous is stable but much bus than the industry awage. This indicates the Firm is holding too much inventory. The average collection period is increasing and much higher than the industry average. These are both indicators of a groblem in collecting payment.

The Fixed asset, turnover ratio and the total assets turnover ratios are stable but significantly lower than the industry averge. This indicates that the sales noture is not sufficient for the amount of committed assets.

Debt: - The debt satio has increased and is substantially higher than the industry average. This places the company at high risk. Typically industries with heavy capital investments and higher approaching risk try to minimize through risk. Martin Manufacturing approaching risk try to minimize through risk. Martin Manufacturing and through itself with both heavy approaching and through risk. The times interest earned realise also indicates a potential debt. The times problem. The ratio is decreasing and is the below the industry average.

Profitability: The gross protiti margin is stable and quite Profit margin, however, is deteriorating and Tax below the industry average. The net average when the gross profit margin is within expectations but average when the gross profit margin is within expectations but the net profit margin is too law, high interest payments may be to blame. The high Thancial leverage has caused the law profitability.

Market:. The market price of the Firm's common stock shows weakness relative to both earnings and book value. This sesult

indicates a belief by the market that reporting ability to earn the truth reporting uncertainty as precised by the market.

OI: - Summisize the Fism & averall Financial position on the basis of your Finalings in parts B.

Answer: - Man tin Manufacturing clearly has a problem with the its inventory level, and state sales are not at an appropriate level for its appital investment. As a consequence, the Horn has acquired a substantial amount of debt, not which, due to the high interest payments associated with the large debt, busden, is depressing profitability. These problems are being picked up by investors as shown in their weak market ratios.

Chapter # 3 2- Cash How and Find Case Study: - Preparing Martin M Pro Forma Financial	lannfacturing à 2004			
Prepare a pro farma income statem December 31, 2004. Answer Martin Manufacturing	mancial data provided to entr for the year ended			
Pro Forma Income Statement, For the Year Ended December 31,2004				
Sales tevenne less: Cost, of goods sold Gross profits less: Operating expenses Selling expense & general and administrative expense \$1,365,000 Depreciation expense Total operating expenses Operating profits less: Interest expense Neb profits before taxes less: Taxes (40%) Total profits after taxes	\$ 6,500,000 (100%) 4,745,000 (-73 x sales) \$ 1,755,000 (-27 x sales) \$ 1,550,000 \$ 205,000 97,000 \$ 108,000 43,200 \$ 64,800			
onde: - Calculations "driven" by cost of expense (excluding deposition	e gods sold and aperating , which is given) Percentages.			

Pg 9/13 Qz: Use the projected ginancial data along with sclevants data From the pro faring income statement, prepared in part, a to prepare the Pro forma balance sheet at December 31,2004. Answers-Martin Manufacturing Company Pro forma Balance Sheel Decamber 31, 2004 Assets Current, assets \$ 25,000 Cash 902,778 Accounts receivable Inventoxies 677,857 Total consent assets \$1,605,635 Goss Fixed arets \$ 2,493,819 685,000 Less: Accumulated depreciation \$ 1,808,819 Net fixed assets \$ 3, 414, 454 Total assets Liabilities and stackholder's equity Corrent liabilities 276,000 Accounts payable 311,000 Notes payable 75,000 Accouate Total current lightlities \$ 662,000 1,165,250 Long-term debts \$ 1,827,250 Total liabilities P.7.0

Pg 10/13 Stock holder's equity Referred stock \$ 50,000 Common stock (at, par) 100,000 Paid-in capital in excess of pav 193,70 Retained earnings 1,044,800 Total stackholders aguity \$ 1,388,500 Total \$ 3,215,800 External Tunds sequited 198,654 Total liabilities and stackholder's aguity \$ 3,414,454 Begining retained earnings (January 1, 2004)\$ 1,000,000 Plus: Net profits 64,800 (20,000) Leu: Dividende paid Ending retained earning (December 31,2004) \$ 1,044,800 Q3: Will Martin Manufacturing Company need to abtain external Financing to Fund the proposed equipments madesnization Program & Explain. Answer: Based on the pro forma Financial statements prepared above, Martin Manufacturing will need to take about \$ 200,000 (\$ 198,654) in external Financing in oxdex to undertake its construction program.

Pg 11/13 Crapter # 4 .. Time Value of Money Case Study: Finding Jill Maxan & Retisements Annity Care Draw a time line alepicting all at the auth Home amount of the Draw of th Accumulation Resignations of the stand of the year of governing to a 9%. 0

Pg 12/13 Qb. How large a sum must & Sunsise accumulate by the end of year 12 to growide the 20-year, \$ 42,000 annity? Answer: Total ammonut to accumulate by end of your 12 Pun = PANT x (PUNFA : 70,11) Puzo = \$ 42,000 x (PINFA 12%,20) P1120 = \$ 42,000x 7.469 Puzo = \$ 313,698 Calculator Solution: \$\$ 313,716.63 ac How large must sinvise & agual annual and-of-year deposits into the account be over the 12-year accumulation Resid to Fund Fully Mas. Mosan is setivements annuity? Anenex: End- of -year doposite, 9% interest : Zermula: PMT = FUAN
FUIFA: 70,11) PMT = \$ 313,698 = (FUIFA 9%, 12 4/2) PMT = \$ 313,698 = 20-141 PM7 = \$ 15,576.10 Calculator Solution : \$ 5,575.31 Sunsise industries must takmake a \$ 15,575.10 annual end-d-year deposit in years 1-12 in order to provides Ms. Moran 9 setiment annity of \$42,000 per year in years 13 to 32.

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 Dd. How much would sunsise have to deposite annually
      during the accumulation period it its could earn 10%
       sather than 9% during the accumulation period?
Answer: - End - of -year algoriths, 10 % interest
        PRAT = $313,698 = (FUIFA 10 %=12 yre)
        PM7 = $ 313,698 = 21-384
        PrA7 = $ 14,669.75
       Calcutar Idution: $ 14,669.56
      The coxposation must make a $ 14,669.75 annual end-of-year
      deposition years 1-12 in Maxan a retirement annuity of
      $ 112,000 pex years 13 to 32.
 QE: How much would sunvise have to deposit annully during
      the accumulation period if Mr. Moran & setivements annuity
      work a perpetuity and all other terms were the same as
      int initially described?
Answex Intial deposits if annuity is a perpetuity and intial deposits
      earne 9°/
       Pupap = Pratx (1 = 2)
       RI pap = $ 42,000 x (1 = 12)
       Pupap = $ 42,000 x 8.333
       Pupap = $ 349,986
      End - of - year deposit,
      PMT = FUAn = (FUIFAir,n)
      PMT = $ 349,986 = (FUIFA 9%, 12 ms)
      PMT = $ 349,986 = 20-14,
      PM7 = $ 17,376.79
     accordance Calculatox Solution: $ 17,377.04
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