



UNIVERSITI KUALA LUMPUR BUSINESS SCHOOL

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FINAL EXAMINATION  
JANUARY 2016 SEMESTER

COURSE CODE : EIB 11503  
COURSE TITLE : MANAGERIAL FINANCE  
COURSE LEVEL : BACHELOR  
TIME : 9.00 AM - 12.00 P.M.  
DURATION : 3 HOURS  
DATE : 26th MAY 2016

INSTRUCTIONS TO CANDIDATES

1. Please read the instructions given in the question paper CAREFULLY.
2. This question paper is printed on both sides of the paper.
3. This question paper consists of FIVE (5) questions. Answer only FOUR (4) questions.
4. Please SHOW ALL YOUR WORKINGS.
5. Please write your answers on the answer booklet provided.
6. All questions must be answered in English (any other language is not allowed).
7. This question paper must not be removed from the examination hall.

THERE ARE SIX (6) PAGES OF QUESTIONS, EXCLUDING THIS PAGE  
AND  
FOUR (4) PAGES OF ATTACHMENT

**INSTRUCTION: Answer any FOUR (4) questions.**

**Please use the answer booklet provided.**

**Question 1**

The financial statement of Delima Company for 2015 is as follow:

**Delima Company**  
**Profit and Loss Statement for the year Ended 30 December 2015**

Sales (60% on credit)	10,000,000
Cost of Sales	6,000,000
Gross Profit	<u>4,000,000</u>
Expenses	1,600,000
Depreciation	<u>500,000</u>
Earnings before Interest and Taxes	1,900,000
Interest	<u>400,000</u>
Earning before tax	<u>1,500,000</u>
Tax	<u>500,000</u>
Net Profit	<u>1,000,000</u>

**Delima Company**  
**Statement of Financial Positions as at 30 December 2015**

<b>Assets</b>	<b>RM</b>	<b>Liabilities</b>	<b>RM</b>
Cash	1,400,000	Account Payable	2,100,000
Account receivable	2,900,000	Accruals	400,000
Inventory	3,200,000		
Total Current Assets	7,500,000	Total Current Liabilities	2,500,000
Gross Assets	6,000,000	Long Term Debt	6,200,000
Accumulated depreciation	1,500,000	Equity	3,300,000
<b>Total Assets</b>	<b>12,000,000</b>	<b>Total Liabilities and Equity</b>	<b>12,000,000</b>

## Industry Average Ratios:

Current ratio	4.2 x	Debt equity ratio	1.14 x
Inventory turnover	6.0 x	Times interest earned	6.8 x
Average collection period	60 days	Net Profit Margin	14%
Fixed assets turnover	2.5 x	Return on equity	35%
Debt ratio	40%	Price earnings ratio	13.5 x

- a) Given the company market price is RM 38 per share and they had issued 300,000 shares, calculate the indicated ratios for Delima Company. (10 marks)
- b) Compare and comment the performance of the ratios calculated in (a). (10 marks)
- c) Describe the users of financial statements. (5 marks)

[Total: 25 marks]

**Question 2**

You are given the following information:

Total monthly sales:

Month	Sales (RM 000)
Jan	9,732
Feb	9,876
Mar	10,200
Apr	13,800
May	24,000
June	9,000
July	12,000

- i. The company's cash collection are; 25% of the sales are on cash basis, 50% are collected a month after the sale and 25% are collected two months after the sale.
- ii. The company expects two other cash collection: RM 300,000 prepaid lease payment in May and RM 900,000 collection of prepaid insurance premium in February.
- iii. The costs of material are 30% from sales and are purchased in advance. Payment is made in the month of sales.

- iv. Direct labour is 25% of sales and payment is made in the month incurred.
- v. Selling and administrative expenses are anticipated to be RM 1.8 million per month.
- vi. Other cash expenditure:
- Acquisition of new fixed asset in May, RM 375,000
  - Dividend payments in June, RM 300,000
  - Interest payments in January, RM 675,000
  - Taxes payments in June, RM 3,225,000
- vii. The ending cash balance on March is RM 3,000,000 and a minimum RM 1,500,000 must be maintained at all times.
- a) Construct a Cash Budget for Lemon Holding Berhad for the second quarter of 2016. **(20 marks)**
- b) Explain the benefits of preparing a cash budget. **(5 marks)**

**[Total: 25 marks]**

**Question 3**

- a) Desmond is planning ahead for his son's education. The boy is eight now and will start college in 12 years' time. How much must he set aside now to have RM 100,000.00 when his son starts schooling? (The interest rate is 8%). **(3 marks)**
- b) What is the value of deposit of RM 5,000, if it is kept in the bank for 20 years at 10% interest? **(3 marks)**
- c) How long does it take for RM 856 to grow into RM 1,122 at 7%? **(3 marks)**
- d) Aminah borrow RM 100,000 and she need to repay 146,932 after 5 years. Calculate how much interest rate are charged by the lending institution. **(3 marks)**

- e) Assume you have deposited RM 1,000 each year in a bank account that pays 20% interest rate. How much will you have in your account at the end of the 25 year?

(4 marks)

- f) Kamal need to borrow RM 20,000 from a bank for 4 years 12% compounded annually. Determine monthly installment that Kamal should pay.

(4 marks)

- g) Discuss what are annuities?

(5 marks)

**[Total: 25 marks]****Question 4**

3R Company requires additional short term financing of RM 1.2 million for the next six months. The company is considering the following sources of financing.

Source 1:

To borrow from OBB Bank at a discounted interest rate of 7.5% per annum and a 20% compensating balance. The company has an outstanding balance of RM 100,000.00 with the bank.

Source 2:

To issue a 180 days commercial paper with a face value of RM 100,000.00 each at 10% per annum. The issuing cost is 1.25% per paper.

Source 3:

Forego trade credit with the following credit terms of 2/10, net 60.

Source 4:

A revolving line of credit of RM 1.8 million with 2.75% commitment fee on the unused fund, and a 9% stated interest rate.

- a) Calculate the effective annual rate for:  
 i. Source 1

(4 marks)

- ii. Source 2

(4 marks)

iii. Source 3 (4 marks)

iv. Source 4 (4 marks)

v. Which is the best alternative for 3R Company? Please state your reasons. (3 marks)

b) Explain the management of accounts payable. (6 marks)

[Total: 25 marks]

**QUESTION 5**

PV Corporation proposes to raise RM 10 million funds for business expansion and is seeking your financial advice to determine the firm's cost of long-term financing. The following data are available for the various alternatives of raising funds:

Alternative 1:

The current price of PV Corporation 10% annual coupon, 20 year maturity of bond, issued 10 years ago is RM 1,200. Corporate tax is 30%. Floatation cost of issuing new bond is 5% of the par value.

Alternative 2:

The current price of its preferred stock is RM 125 per share. It pays 10% dividend. Floatation cost of new issue is 10% of its current price.

Alternative 3:

The current price of common stock is RM 50 per share. The last dividend paid was RM 4.50 per share. Dividends are expected to grow at 5% per year. Floatation cost of issuing new common stock is 3% of the market price.

a) Calculate the cost of capital for following alternatives:

i. Alternative 1 (4 marks)

- ii. Alternative 2 (3 marks)
- iii. Alternative 3 (3 marks)
- iv. Calculate weighted average cost of capital (WACC) for the project, if the company issues RM 5,000,000 bond, RM 2,500,000 common stocks and RM 2,500,000 preferred stocks. (7 marks)
- v. if the required rate of return (IRR) is 7% should the company accept the project? Provide your reasons. (2 marks)
- b) Identify the factors affecting cost of capital. (6 marks)

**[Total: 25 marks]**

**END OF QUESTION PAPER**









