



FINAL EXAMINATION

COURSE : FUNDAMENTALS OF FINANCIAL MANAGEMENT

COURSE CODE : PFN2143

DURATION : 2 HOURS

INSTRUCTIONS TO CANDIDATES:

1. This question paper consists of **THREE (3)** questions.
2. Answer **ALL** questions in the Answer Booklet provided.
3. Please check to make sure that this examination pack consists of:
 - i. The Question Paper
 - ii. An Answer Booklet
 - iii. Appendix 1 - PVIF and PVIFA tables
 - iv. Appendix 2 - The formula list
4. Do not bring any material into the examination hall unless permission is given by the invigilator.
5. Please write your answer using a ball-point pen.

MYKAD NO : _____

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LECTURER : _____

SECTION : _____

DO NOT OPEN THIS QUESTION PAPER UNTIL YOU ARE TOLD TO DO SO

The question paper consists of 07 printed pages

2024/A/PFN2143

SHORT ANSWER**1. (25 points)**

- a. Dato' Syed Hasan recently purchased a new ventilation system that cost him RM50,000. The investment is expected to generate an annual cash flow of RM12,500 for six years. Compute the internal rate of return (IRR) from the investment. (5 points)
- b. Sunscreen Inc. is considering three mutually exclusive projects. The firm requires an 8% return on the investment. The cash flow generated from the projects is as follows:

Project	ROAD MAINTENANCE	ROAD SIGNAGE	ROAD RESURFACE
Initial Outlay	RM800,000	RM500,000	RM1,200,000
Year	RM	RM	RM
1	250,000	200,000	450,000
2	250,000	200,000	380,000
3	250,000	200,000	500,000
4	250,000	200,000	300,000

Table 1

Required:

- i. Calculate the payback period for each project. (4 points)
- ii. Calculate the Net Present Value (NPV) for each project. (10 points)
- iii. Calculate the profitability index for each project. (3 points)
- iv. Which project should Sunscreen Inc. choose, and why? (3 points)

2. (25 points)

- a. The Capital structure of Sri Manis Sdn. Bhd, as extracted from its latest audited Statement of Financial Position, is as follows:

Bond	21%
Preferred share	11%
Ordinary share	38%
Retained Earnings	30%

Bond	
7% annual coupon, 20-year bond with a par value of RM1,000	
Current market price	RM930
Other cost	RM25
Corporate tax	25%

Preferred share	
10% Preference share with a par value of RM100	
Current market price	RM125
Other cost	2% of the par value

Equity	
Current market price	RM22.50
Growth rate	6%
Past year dividend	RM2.50
Other cost	5% of market value
Retained earnings	RM1,800,000

Table 2

Required:

- Calculate the cost of the:
 - After-tax cost of debt (KdAT) (4.5 points)
 - Preferred share (Kps). (2 points)
 - Retained earnings (Ke). (2.5 points)
 - Ordinary shares (Kne). (2.5 points)

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- ii. Calculate the firm's weighted cost of capital (WACC) if the firm decides to use internal equity. (4.5 points)
 - iii. Calculate the firm's weighted cost of capital (WACC) if the firm decides to use external common stock. (4.5 points)
- b. Sri Manis Sdn. Bhd is planning to issue irredeemable bonds with a 4% coupon rate, priced at a 2% premium with a par value of RM1,000. The floatation costs of the new bonds will be 8% of the market value. If the corporate tax rate is 25%, calculate the after-tax cost of debt of the bond. (4.5 points)
3. **(10 points)**
- a. Explain **TWO (2)** differences between special dividends and regular dividends. (4 points)
 - b. Explain any **THREE (3)** components that influence the dividend policies. (6 points)

END OF QUESTION PAPER

FORMULA LIST

$P_p = \text{Initial Outlay} / \text{Constant annual cash flow}$

$P_p = \text{Year before recovery} + [\frac{\text{Unrecovered cost at beginning of year}}{\text{Cash flow during that year}}]$

$NPV = \text{Total PV} - \text{Initial Outlay}$

$IRR = a\% + [(x - y) / (x - z)] \times (b\% - a\%)$

$PI = 1 + (NPV / \text{Initial Outlay})$

$$K_d = \frac{CP + (\underline{\text{Par}} - (\text{CMP} - \text{Other Costs}))}{(\underline{\text{Par}} + (\text{CMP} - \text{Other Costs}))}^n$$

$K_{dat} = K_d (1 - T)$

$K_{ps} = D / \text{CMP} - \text{Other Costs}$

$K_e = D_1 / \text{CMP} + g$

$K_{ne} = D_1 / (\text{CMP} - \text{Other Costs}) + g$

$WACC = (K_d (1 - T) \times W_d) + (K_e \times W_e) + (K_{ps} \times W_{ps})$

APPENDIX 2