

# Contents

<b>1. Introduction .....</b>	<b>7</b>
1.1 Corporate Finance and The Financial Manager .....	7
1.2 Long-term Financial Decisions .....	8
1.2.1 Capital Budgeting .....	8
1.2.2 Capital Structure .....	8
<b>2. The Agency Problem in Corporations .....</b>	<b>10</b>
2.1.1 Principal-Agent Problem .....	10
2.1.2 The Objectives of Financial Management .....	11
2.1.3 Managers and Stockholders' in Practice .....	11
<b>3. Time Value of Money.....</b>	<b>13</b>
3.1 Future Value .....	13
3.1.1 Investing for a Single Period .....	13
3.1.2 Investing for More Than One Period .....	13
3.2 Present Value and Discounting .....	14
3.2.1 The Single-Period Case .....	15
3.2.2 Present Values for Multiple Periods .....	15
3.3 Present versus Future Value .....	16
<b>4. Capital Budgeting .....</b>	<b>17</b>
4.1 Cash Flows .....	18
4.2 Typical Cash Outflows and Inflows .....	18
4.3 Net Present Value (NPV) .....	19
4.3.1 Estimating Net Present Value .....	19
4.4 Internal Rate of Return (IRR).....	21
4.4.1 Estimating Internal Rate of Return .....	21
4.4.2 Net Present Value and Internal Rate of Return.....	23
4.5 Payback Period .....	24
4.5.1 Evaluation of the Payback Period Method .....	24
4.5.2 Criticism of Payback Method .....	25
<b>5. Risk and Portfolio .....</b>	<b>26</b>
5.1 Rates of Return .....	26
5.2 Variance and Standard Deviation .....	27
5.3 Diversification and Risk Reducing .....	30
5.3.1 Portfolio Weights .....	30

5.3.2 Portfolio Expected Returns .....	30
5.3.3 Portfolio Variance .....	32
5.3.4 Portfolio Risk and Correlation .....	33
5.3.5 Diversification, Systematic and Unsystematic risk. ....	36
5.3.6 Limits of Diversification.....	39
5.3.7 Beta .....	40
<b>6. Cost of Capital .....</b>	<b>42</b>
6.1 Required Return, Cost of Capital and Financial Policy .....	43
6.2 The Cost of Equity .....	44
6.2.1 The Security Market Line and Cost of Capital .....	44
6.2.2 Advantages and Disadvantages of the Approach .....	44
6.3 The Cost of Debt .....	45
6.4 The Weighted Average Cost of Capital .....	46
6.4.1 The Capital Structure Weights .....	46
6.4.2 Taxes and the Weighted Average Cost of Capital.....	47
6.4.3 The Security Market Line and the Weighted Average Cost of Capital. ....	49
<b>7. Capital Structure and Financial Leverage .....</b>	<b>50</b>
7.1 Capital Structure .....	50
7.2 The Effect of Financial Leverage .....	51
7.2.1 Financial Leverage and ROE.....	51
7.2.2 Financial Leverage and EBIT .....	53
7.2.4 Business Risk and Financial Risk .....	55
7.3 Capital Structure and the Cost of Equity Capital .....	57
7.3.1 Traditional View .....	57
7.3.2 The Miller & Modigliani Proposition I .....	58
7.3.3 Cost of Equity and Financial Leverage: M&M Proposition II .....	60
7.4 Taxation, Financial Distress and Bankruptcy Cost .....	62
7.4.1 The Interest Tax Shield.....	63
7.4.2 Taxes and M&M Proposition I .....	64
7.4.3 Taxes, the WACC .....	65
7.5 Financial Distress and Bankruptcy Cost .....	66
7.5.1 Cost of Capital in Practice .....	67
7.5.2 The Static Theory of Capital Structure.....	69
<b>List of figures .....</b>	<b>70</b>
<b>List of tables .....</b>	<b>71</b>
<b>References .....</b>	<b>72</b>