



Contents

Guided tour of the book	xii
Preface	xv
Plan of the book	xvii
Publisher's acknowledgements	xviii

Part 1 The business finance environment

1 Introduction	3
Objectives	3
1.1 The role of business finance	4
1.2 Risk and business finance	5
1.3 The relationship between business finance and accounting	6
1.4 The organisation of businesses – the limited company	6
1.5 Corporate governance and the role of directors	9
1.6 Long-term financing of companies	12
1.7 Liquidation	14
1.8 Derivatives	15
1.9 Private equity funds	16
<i>Summary</i>	17
<i>Further reading</i>	18
<i>Review questions</i>	18
2 A framework for financial decision making	19
Objectives	19
2.1 Financial decision making	19
2.2 Business objectives	21
2.3 Conflicts of interest: shareholders versus managers – the 'agency' problem	25
2.4 Financing, investment and separation	28
2.5 Behavioural finance	31
2.6 Theory and practice	32
<i>Summary</i>	32
<i>Further reading</i>	33
<i>Review questions</i>	33
<i>Problem</i>	33
Appendix: Formal derivation of the separation theorem	35

3 Financial (accounting) statements and their interpretation	41
Objectives	41
3.1 Introduction	41
3.2 The financial statements	42
3.3 Definitions and conventions of accounting	46
3.4 Problems with using accounting information for decision making	49
3.5 Creative accounting	50
3.6 Ratio analysis	53
3.7 Using accounting ratios to predict financial failure	65
<i>Summary</i>	66
<i>Further reading</i>	67
<i>Review questions</i>	67
<i>Problems</i>	68
Appendix: Jackson plc's income statement and statement of financial position for 2013	74

Part 2 Investment decisions

4 Investment appraisal methods	79
Objectives	79
4.1 Introduction	79
4.2 Net present value	80
4.3 Internal rate of return	87
4.4 Payback period	94
4.5 Accounting (or unadjusted) rate of return	97
4.6 Investment appraisal methods used in practice	99
<i>Summary</i>	104
<i>Further reading</i>	106
<i>Review questions</i>	106
<i>Problems</i>	106
5 Practical aspects of investment appraisal	111
Objectives	111
5.1 Introduction	111
5.2 Cash flows or accounting flows?	112
5.3 Do cash flows really occur at year ends?	115
5.4 Which cash flows?	116
5.5 Taxation	117
5.6 Inflation	119
5.7 An example of an investment appraisal	121
5.8 Capital rationing	125

5.9	Replacement decisions	129
5.10	Routines for identifying, assessing, implementing and reviewing investment projects	131
5.11	Investment appraisal and strategic planning	134
5.12	Value-based management	136
5.13	Real options	142
	<i>Summary</i>	143
	<i>Further reading</i>	145
	<i>Review questions</i>	146
	<i>Problems</i>	146
6	Risk in investment appraisal	153
	Objectives	153
6.1	Introduction	153
6.2	Sensitivity analysis	154
6.3	Use of probabilities	159
6.4	Expected value	162
6.5	Systematic and specific risk	165
6.6	Utility theory	166
6.7	Attitudes to risk and expected value	169
6.8	Particular risks associated with making investments overseas	174
6.9	Some evidence on risk analysis in practice	174
6.10	Risk – the story so far	174
	<i>Summary</i>	175
	<i>Further reading</i>	176
	<i>Review questions</i>	177
	<i>Problems</i>	177
7	Portfolio theory and its relevance to real investment decisions	183
	Objectives	183
7.1	The relevance of security prices	183
7.2	The expected value/variance (or mean/variance) criterion	185
7.3	Security investment and risk	186
7.4	Portfolio theory	188
7.5	The capital asset pricing model	197
7.6	CAPM: an example of beta estimation	199
7.7	Assumptions of CAPM	202
7.8	Tests of CAPM	202
7.9	CAPM – why the doubts?	204
7.10	Implications of modern portfolio theory and CAPM	204
7.11	Lack of shareholder unanimity on risky investment	206
7.12	Using CAPM to derive discount rates for real investments – the practical problems	207

7.13	Arbitrage pricing model	209
7.14	Diversification within the business	210
	<i>Summary</i>	210
	<i>Further reading</i>	212
	<i>Review questions</i>	212
	<i>Problems</i>	212
	Appendix: Derivation of CAPM	214

Part 3 Financing decisions

8	Sources of long-term finance	219
	Objectives	219
8.1	Introduction	219
8.2	Ordinary (equity) capital	221
8.3	Methods of raising additional equity finance	225
8.4	Preference shares	235
8.5	Loan notes and debentures	237
8.6	Convertible loan notes	242
8.7	Warrants	242
8.8	Term loans	243
8.9	Asset-backed finance (securitisation)	243
8.10	Leasing	244
8.11	Grants from public funds	246
8.12	Islamic finance	247
8.13	Conclusions on long-term finance	247
	<i>Summary</i>	248
	<i>Further reading</i>	251
	<i>Review questions</i>	251
	<i>Problems</i>	252
9	The secondary capital market (the stock exchange) and its efficiency	253
	Objectives	253
9.1	Introduction	253
9.2	The London Stock Exchange	254
9.3	Capital market efficiency	257
9.4	Tests of capital market efficiency	260
9.5	The efficient market paradox	268
9.6	Conclusions on, and implications of, capital market efficiency	268
9.7	Behavioural finance	271
	<i>Summary</i>	273
	<i>Further reading</i>	274
	<i>Review questions</i>	275
	<i>Problems</i>	275

10 Cost of capital estimations and the discount rate	276
Objectives	276
10.1 Introduction	276
10.2 Cost of individual capital elements	277
10.3 Weighted average cost of capital (WACC)	285
10.4 The discount rate – CAPM versus the traditional approach	290
10.5 WACC values used in practice	292
10.6 The use of WACC in practice	293
10.7 Further points on WACC	293
<i>Summary</i>	293
<i>Further reading</i>	295
<i>Review questions</i>	295
<i>Problems</i>	295
11 Gearing, the cost of capital and shareholders' wealth	298
Objectives	298
11.1 Introduction	298
11.2 Is debt finance as cheap as it seems?	299
11.3 Business risk and financial risk	300
11.4 The traditional view	302
11.5 The Modigliani and Miller view of gearing	304
11.6 Other thoughts on the tax advantage of debt financing	310
11.7 Capital/financial gearing and operating gearing	310
11.8 Other practical issues relating to capital gearing	311
11.9 Evidence on gearing	312
11.10 Gearing and the cost of capital – conclusion	314
11.11 The trade-off theory	316
11.12 Pecking order theory	317
11.13 Likely determinants of capital gearing	319
11.14 MM, modern portfolio theory and CAPM	319
11.15 Weighted average cost of capital revisited	321
<i>Summary</i>	322
<i>Further reading</i>	323
<i>Review questions</i>	324
<i>Problems</i>	324
Appendix I: Proof of the MM cost of capital proposition (pre-tax)	327
Appendix II: Proof of the MM cost of capital proposition (after tax)	328
12 The dividend decision	330
Objectives	330
12.1 Introduction	330
12.2 Modigliani and Miller on dividends	331
12.3 The traditional view on dividends	333

12.4	Who is right about dividends?	334
12.5	Other factors	335
12.6	Dividends: the evidence	338
12.7	Conclusions on dividends	344
	<i>Summary</i>	345
	<i>Further reading</i>	346
	<i>Review questions</i>	346
	<i>Problems</i>	346
	Appendix: Proof of the MM dividend irrelevancy proposition	350

Part 4 Integrated decisions

13	Management of working capital	355
	Objectives	355
13.1	Introduction	355
13.2	The dynamics of working capital	356
13.3	The importance of the management of working capital	360
13.4	Working capital and liquidity	362
13.5	Overtrading	364
13.6	Inventories (stock in trade)	365
13.7	Just-in-time inventories management	372
13.8	Trade receivables (trade debtors or accounts receivable)	374
13.9	Cash (including overdrafts and short-term deposits)	378
13.10	Trade payables (trade creditors)	384
	<i>Summary</i>	386
	<i>Further reading</i>	389
	<i>Review questions</i>	389
	<i>Problems</i>	389
14	Corporate restructuring (including takeovers and divestments)	392
	Objectives	392
14.1	Introduction	392
14.2	Takeovers and mergers	393
14.3	Mergers: the practicalities	396
14.4	Divestments	405
	<i>Summary</i>	408
	<i>Further reading</i>	409
	<i>Review questions</i>	409
	<i>Problems</i>	410
15	International aspects of business finance	412
	Objectives	412
15.1	Introduction	412

15.2	Foreign exchange	415
15.3	Problems of internationalisation	422
15.4	International investment appraisal	430
15.5	Risks of internationalisation, management of those risks and portfolio theory	431
	<i>Summary</i>	434
	<i>Further reading</i>	436
	<i>Review questions</i>	436
	<i>Problems</i>	437
16	Small businesses	438
	Objectives	438
16.1	Introduction	438
16.2	Corporate objectives	441
16.3	Organisation of small businesses	441
16.4	Taxation of small businesses	442
16.5	Investment decisions	443
16.6	Risk and the discount rate	443
16.7	Sources of finance	444
16.8	Valuation of small businesses	448
16.9	Gearing	451
16.10	Dividends	451
16.11	Working capital and small businesses	451
	<i>Summary</i>	453
	<i>Further reading</i>	455
	<i>Review questions</i>	455
	<i>Problems</i>	455
	Appendix 1 Present value table	461
	Appendix 2 Annuity table	462
	Appendix 3 Suggested answers to review questions	463
	Appendix 4 Suggested answers to selected problems	476
	Glossary	501
	References	507
	Index	514