

Corporate Treasury and Cash Management

ROBERT COOPER

Contents

List of Figures List of Acknowledgements	Tables	x xii xv
PARTI RISK MANAGEMENT		1
1 Risk Management: Introducti	on	3
Introduction		3 3 4
Why Manage Financial Risk?		3
Principal Treasury-Related Fina	ncial Risks	4
Management of Financial Risks	1	10
Enterprise Risk Management		20
2 Treasury Policies for Debt, For	eign Exchange and	
Interest Rate Exposure Mana	•	25
Introduction	3	25
Debt Management		25
Foreign Exchange Risk Manage	ement	29
Interest Rate Risk Management		36
Case Study		38
Solution		43
3 Debt Capacity		55
Introduction		55
Debt Versus Equity		55
The Impact of Debt on Financia	d Returns to Shareholders	57
Debt Equity Structure: Theory		60

CONTENTS

	Financial Ratios	65
	Debt Capacity: Conclusion	69
	Case Study	70
	Solution	73
PA	ART II FINANCING ALTERNATIVES	75
4	Bank Finance	77
	Introduction	77
	Forms of Bank Finance	77
	Aspects of Syndicated Revolving Facilities	82
	Advantages and Disadvantages of Bank Finance	89
	Documentation Specialist Financing	91 95
	Case Study: Acquisition Finance	96
	Solution	98
5	Bond Valuation and Credit Ratings	102
	Introduction to Bond Valuation	102
	Credit Ratings	111
6	The Bond Markets	120
	Introduction	120
	Advantages/Disadvantages of Bond Markets	120
	The Pricing of Corporate Bonds	122
	Bond Markets: General	124
	Issuing a Public Bond: Eurobond	125
	Medium-Term Note Programmes	132
	Private Placements	135
	Choice of Market	137 141
	Case Study	141
7	Specialist Financings: Asset Securitization	145
	Introduction	145
	Principles of Asset Securitization	145
	Why Securitize?	153
	Should a Company Securitize Assets?	155
	Developments in Securitization	157
	Summary Constitution Securities to the second seco	160
	Case Study: Lease Securitization	160
	Solution	162

PART III THE USE OF DERIVATIVES TO MANAGE RISK		167
8	An Outline of Options	169
	Introduction	169
	A Basic Introduction to Options	169
	Exotic Options	177
9	Foreign Exchange (FX) Markets and Derivatives	180
	Spot Foreign Exchange	180
	Forward Foreign Exchange	185
	Foreign Exchange Swaps	189
	Foreign Currency Options	194
	Use of Options for Corporate Purposes	199
	Exercises	200
	Solutions	204
10	Interest Rate Risk Derivatives and Their Use in	
	Managing Financial Risk	209
	Interest Rate Swaps	209
	Interest Rate Options (IRO)	215
	Exotic Options	218
	Swaption	221
	The Effective Use of Derivatives	223
	Long-Term Cross-Currency Swaps	224
	Exercises	227
	Solutions	231
7 7	Zero-Coupon Interest Rates, Forward-Forward Rates,	
	Counterparty Exposure for Derivatives and Contracts	
	for Derivatives	238
	Zero-Coupon Rates and Forward-Forward Rates	238
	Valuing Interest Rate Swaps	248
	Counterparty Exposure	249
	Contractual Terms for Derivative Contracts	252
	Summary	256
12	Risk Management Summary and Use of Derivatives	257
	Summary	257
	Specific Considerations	258
	Examples of Other Derivatives	260
	Conclusion	262

PA	RT IV CASH AND LIQUIDITY MANAGEMENT	263
73	B Domestic Payment and Collection Instruments and	
	Domestic Clearing	265
	Cash Management	265
	Domestic Collection and Payment Instruments	266
	How Payments Clear	268
	Clearing in the United States	275
	Clearing in Other Countries	280
	Some Techniques for Managing Payments and Receipts	281
	Case Study	282
	Solution	284
14	International Payments and Receipts	286
	Correspondent Banking	286
	SWIFT (the Society for Worldwide Inter-Bank	
	Financial Telecommunications)	287
	Foreign Currency Accounts	291
	International Payment Methods: Non-Electronic	293
	International Payments: Electronic	298
75	Pooling and Cash Concentration and Intercompany Netting	300
	Pooling and Cash Concentration	300
	Netting	312
	Case Study	316
	Solutions	317
16	Liquidity Management	321
	Introduction	321
	Cash Forecasting	323
	Interest Rate Derivatives	328
	The Management of Cash Surpluses	330
	Instruments for Managing Liquidity Surpluses	333
	Instruments for Managing Liquidity Shortages	337
	Interest Calculations	341
	Case Study	342
	Solutions	344

		THE TREASURY D SYSTEMS,TAX		•	349
Introduc Internal Centrali: Bank Re Performa Outsourd Case Stu	ction Controls ze or Dece elations ance Meas cing	asury Function ntralize Treasury? urement			351 351 355 359 363 366 369 371
Solution 18		Syste	ems	372 375 375 378	
19 Tax and	Accountin	ng			384
General					384
Append	lix:	LIBOR	F	ïxings	388
Glossar	y				389
Index					410
Spreads	sheets				416