

C. JEEVANANDAM

FOREIGN EXCHANGE

PRACTICE, CONCEPTS & CONTROL



SULTAN CHAND & SONS

Brief Contents

PART I—FRAMEWORK OF FOREIGN EXCHANGE

1. Introduction	1.3–1.24
2. International Exchange Systems	2.1–2.38
3. Balance of Payments	3.1–3.29
4. International Financial Institutions	4.1–4.24
5. Foreign Exchange Markets	5.1–5.24
6. Determination of Exchange Rates	6.1–6.20

PART II—RISK MANAGEMENT

7. Currency Derivatives : Forwards Contracts	7.3–7.16
8. Futures and Options	8.1–8.21
9. Interest Rate Risk	9.1–9.14
10. Exchange Risk : Transaction Exposure	10.1–10.15
11. Exchange Risk : Translation and Economic Exposure	11.1–11.18

PART III—EXCHANGE ARITHMETIC

12. Ready Exchange Rates	12.3–12.18
13. Ready Rates Based on Cross Rates	13.1–13.11
14. Forward Exchange Rates	14.1–14.17
15. Execution of Forward Contracts	15.1–15.16
16. Interbank Dealings	16.1–16.14
17. Exchange Management by Banks	17.1–17.29

PART IV—FOREIGN TRADE CONTRACTS AND DOCUMENTS

18. International Trade Contracts	18.3–18.17
19. Letters of Credit	19.1–19.24
20. Operation of A Letter of Credit	20.1–20.26
21. Documents in Foreign Trade	21.1–21.22
22. Transport Documents	22.1–22.21
23. Incoterms	23.1–23.14

PART V—FINANCE OF FOREIGN TRADE

24. Financing Exports	24.3–24.18
25. Post-shipment Finance	25.1–25.28
26. Project Exports and Investments Abroad	26.1–26.17

27.	Export Import Bank of India	27.1-27.27
28.	Export Credit Insurance	28.1-28.39
29.	Export Promotion Measures	29.1-29.24
30.	Financing Imports	30.1-30.22

PART VI—SOURCES OF EXTERNAL FUNDS

31.	Non-resident Deposits and Investments	31.3-31.28
32.	International Financial Markets	32.1-32.27
33.	Raising Funds Abroad	33.1-33.21

PART VII—APPENDICES

A.	Answers to Numerical Problems	A.3-A.14
B.	Currencies and their Standard Abbreviations	A.15-A.16

Contents

PART I—FRAMEWORK OF FOREIGN EXCHANGE

1. Introduction	1.3–1.24
Foreign Trade and Foreign Exchange	1.3
Exchange Rate	1.4
Foreign Exchange as Stock	1.4
Management of Foreign Exchange	1.5
History of Exchange Control in India	1.5
Foreign Exchange Management Act, 1999	1.6
Administrative Set-Up	1.6
Authorised Persons	1.7
Organisation of an Authorised Dealer	1.9
Functions of Foreign Exchange Department	1.10
Correspondent Arrangement	1.12
Foreign Currency Accounts	1.13
Chapter Summary	1.14
Key Terms and Concepts	1.15
Test Your Understanding	1.15
Assignment Material	1.18
Appendix : Synoptic View of FEMA	1.19
2. International Exchange Systems	2.1–2.38
Fixed and Floating Exchange Rates	2.2
Fixed Exchange Rates	2.2
Floating Exchange Rates	2.4
Depreciation Vs Devaluation	2.4
Case for Fixed Rates	2.5
Case for Floating Rates	2.6
Exchange Rate System Prior to IMF	2.7
Gold Currency Standard	2.7
Gold Bullion Standard	2.8
Gold Exchange Standard	2.8
Exchange Rate Systems Under IMF	2.9
Original Scheme Under IMF	2.9
Working of the System	2.10
Collapse of the System	2.10
Smithsonian Agreement (Snake in the Tunnel)	2.11
Abolition of Gold and Emergence of SDR	2.12
Second Amendment of IMF Articles	2.12

IMF Surveillance 2.12

Plaza—Lourve Intervention Accords 2.13

Current Exchange Rate Regimes 2.13

European Union 2.13

 European Monetary System 2.14

 ✓ Economic and Monetary Union 2.14

 ✓ Launching of Euro 2.17

External Value of Rupee 2.18

Convertibility of Rupee 2.18

 Current Account Convertibility 2.20

 Capital Account Convertibility 2.20

 Benefits of CAC 2.20

 International Experience 2.21

 Preconditions for CAC in India 2.21

 Risks of Convertibility 2.21

 Implementation in India 2.22

 Committee on Fuller Capital Account Convertibility 2.23

Chapter Summary 2.23

Key Terms and Concepts 2.24

Test Your Understanding 2.24

Assignment Material 2.26

Appendix : Global Economic Crisis and Its Impact on India 2.27

3. Balance of Payments 3.1-3.29

 Definition 3.1

 Balance of Payments Accounting 3.2

 Components of Balance of Payments 3.4

 Current Account 3.4

 Capital Account 3.7

 Overall Balance 3.7

 Errors and Omissions 3.8

 Monetary Movements 3.8

 Disequilibrium in Balance of Payments 3.8

 Meaning of Disequilibrium 3.10

 Significance of Disequilibrium 3.11

 Correction of Disequilibrium 3.11

 Devaluation 3.14

 Deflation 3.15

 Exchange Control 3.17

 Trade Control 3.18

 Chapter Summary 3.18

 Key Terms and Concepts 3.19

 Test Your Understanding 3.21

 Assignment Material 3.23

 Appendix : Balance of Payments of India 3.23

4. International Financial Institutions :	
International Monetary Fund	4.1-4.24
Objectives	4.1
Functions	4.1
Organisational Structure	4.2
Resources	4.3
Lending	4.4
Special Drawing Rights	4.7
World Bank Group	4.9
International Bank for Reconstruction and Development	4.9
Objectives	4.9
Organisation	4.10
Resources	4.10
Lending Activities	4.10
Non-Lending Activities	4.12
International Development Association	4.13
Organisation	4.13
Resources	4.13
Lending	4.13
International Finance Corporation	4.15
Organisation	4.15
Functions	4.15
Resources	4.16
Financial Products	4.16
Portfolio Investment	4.18
Technical Assistance	4.18
Evaluation	4.19
Multilateral Investment Guarantee Agency	4.19
Asian Development Bank	4.19
Functions	4.20
Organisation	4.20
Resources	4.20
Evaluation	4.20
Chapter Summary	4.21
Key Terms and Concepts	4.21
Test Your Understanding	4.21
Assignment Material	4.24
5. Foreign Exchange Markets	5.1-5.24
Features of Exchange Market	5.1
Salient Features	5.1
Participants	5.3
Purpose of Transacting	5.4
Settlement of Transactions	5.5
Transactions in Interbank Markets	5.7

Meaning, Player
Participants

Purchase and Sale Transactions	5.7
Types of Transactions	5.8
Quotations in Interbank Markets	5.9
Two-Way Quotation	5.9
Direct and Indirect Quotation	5.10
American and European Quotation	5.11
Cross Rates and Chain Rule	5.12
Forward Rates	5.13
Interbank Rates and Arbitraging	5.16
Quotations of Market Makers	5.16
Cross Rates and Triangular Arbitrage	5.17
Chapter Summary	5.19
Key Terms and Concepts	5.20
Test Your Understanding	5.20
Assignment Material	5.23
Determination of Exchange Rates	6.1-6.20
Factors Determining Spot Exchange Rates	6.1
Purchasing Power Parity Theory	6.5
Absolute Version of PPP	6.5
Relative Version of PPP	6.6
Nominal and Real Exchange Rate	6.7
Deviations from PPP	6.9
Determination of Forward Rates	6.9
Covered Interest Arbitrage	6.10
Cash and Carry Arbitrage	6.12
Forward Rates with Transaction Cost	6.12
Other Factors Affecting Forward Rates	6.12
Forward Rate and Spot Rate	6.13
Forward Rates and Interest Rate Arbitrage	6.14
Chapter Summary	6.16
Key Terms and Concepts	6.17
Test Your Understanding	6.17
Assignment Material	6.19

PART II – RISK MANAGEMENT

7. Currency Derivatives : Forwards Contracts	7.3-7.16
Derivatives : Meaning and Types	7.3
Types of Derivatives	7.4
Forward Contracts	7.6
Features	7.6
Hedging with Forward Contracts	7.7
FEMA Regulations	7.8
Booking of Forward Contracts	7.12
Chapter Summary	7.13

CONTENTS

(xiii)

Key Terms and Concepts 7.14
 Test Your Understanding 7.14
 Assignment Material 7.16

8. Futures and Options 8.1-8.21

Currency Futures 8.1
 Features of a Futures Contract 8.1
 Pricing of Futures 8.4
 Hedging with Futures 8.4
 Futures in India 8.6
 Currency Options 8.7
 Features of Option Contracts 8.7
 Types of Instruments 8.8
 Pay-Off Under Options 8.9
 Execution of Contracts 8.11
 Use of Options 8.12
 Pricing of Options 8.13
 Option Contracts in India 8.16
 Chapter Summary 8.17
 Key Terms and Concepts 8.17
 Test Your Understanding 8.20
 Assignment Material 9.1-9.14

9 Interest Rate Risk 9.1

The Concept of Interest Rate Risk 9.1
 Income Risk 9.2
 Capital Risk 9.2
 Asset and Liability Structure 9.3
 Managing Interest Rate Risk 9.3
 Financial Swaps 9.4
 Forward Rate Agreements 9.6
 Interest Rate Options 9.6
 Swaps, FRAs and Interest Rate Options in India 9.7
 Interest Rate Futures 9.6
 Notional 10 Year GOI Bond Futures 9.11
 Chapter Summary 9.12
 Key Terms and Concepts 9.12
 Test Your Understanding 9.14
 Assignment Material 10.1-10.15

10. Exchange Risk : Transaction Exposure 10.1-10.15

Meaning and Classification 10.1
 Exchange Exposure and Exchange Risk 10.1
 Types of Exposures 10.2
 Transaction Exposure 10.2
 Managing Transaction Exposure 10.3
 External Hedge 10.4
 Internal Hedge 10.8

Chapter Summary 10.11

Key Terms and Concepts 10.11

Test Your Understanding 10.12

Assignment Material 10.14

11. Exchange Risk : Translation and Economic Exposure 11.1-11.18

Translation Exposure 11.1

 Methods of Translation 11.2

 Translation Exposure for Indian Companies 11.3

Managing Translation Exposure 11.5

Economic Exposure 11.6

 Unexpected Changes in Exchange Rates 11.7

 Real vs. Nominal Exchange Rate Change 11.7

 Impact on Cash Flows 11.7

 Measuring Economic Exposure 11.9

Managing Economic Exposure 11.11

 Marketing Strategies 11.11

 Production Strategies 11.12

 Financial Strategies 11.12

Conclusion 11.13

Chapter Summary 11.13

Key Terms and Concepts 11.14

Test Your Understanding 11.14

Assignment Material 11.17

PART III—EXCHANGE ARITHMETIC

12. Ready Exchange Rates 12.3-12.18

Merchant Transactions 12.3

 Purchase and Sale Transactions 12.3

 Exchange Quotations 12.4

Basis for Merchant Rates 12.4

 Exchange Margin 12.4

 Fineness of Quotation 12.5

Principal Types of Buying Rates 12.5

 TT Buying Rate (TT Stands for Telegraphic Transfer) 12.6

 Bill Buying Rate 12.7

Principal Types of Selling Rates 12.11

 TT Selling Rate 12.11

 Bills Selling Rate 12.11

Some Aspects of Exchange Quotation 12.13

 Exchange Rates for Non-Trade Transactions 12.13

 Quoting Better/Best Rate 12.13

 Rounding Off for Card Rates 12.13

Chapter Summary 12.14

Key Terms and Concepts 12.14

	Test Your Understanding	12.14
	Assignment Material	12.16
13.	Ready Rates Based on Cross Rates	13.1-13.11 ✓
	Calculation of Crossed Ready Rates	13.1
	Buying Rates	13.1
	Selling Rates	13.5
	Ready Rates for Euro and Sterling	13.6
	Chapter Summary	13.8
	Key Term and Concept	13.8
	Test Your Understanding	13.8
	Assignment Material	13.9
14.	Forward Exchange Rates *	14.1-14.17 ✓
	Calculation of Fixed Forward Rates	14.1
	Calculation of Option Forward Rates	14.3
	Forward Rates Based on Cross Rates	14.6
	Forward Rates for Euro and Sterling	14.11
	Chapter Summary	14.13
	Key Terms and Concepts	14.14
	Test Your Understanding	14.14
	Assignment Material	14.15
15.	Execution of Forward Contracts *	15.1-15.16 ✓
	Delivery of Forward Contract	15.2
	Delivery on Due Date	15.2
	Early Delivery	15.2
	Cancellation of Forward Contract	15.5
	Cancellation on Due Date	15.5
	Early Cancellation	15.6
	Extension of Forward Contract	15.7
	Extension on Due Date	15.7
	Early Extension	15.9
	Overdue Forward Contracts	15.10
	Automatic Cancellation	15.10
	Customer's Request	15.11
	Roll-Over Forward Contract	15.13
	Chapter Summary	15.13
	Key Terms and Concepts	15.13
	Test Your Understanding	15.13
	Assignment Material	15.15
16.	Interbank Dealings *	16.1-16.14 ✓
	Cover Deals	16.1
	Trading	16.2
	Funding of Vostro Account	16.3
	Swap Deals	16.3

Need for Swap Deals 16.4
 Swap and Deposit/Investment 16.5
 Chapter Summary 16.7
 Key Terms and Concepts 16.8
 Test Your Understanding 16.8
 Assignment Material 16.9
 Appendix : Exchange Regulations for Interbank Dealings 16.11

17. Exchange Management by Banks 17.1-17.29

Dealing Position 17.1
 Exchange Position 17.2
 Cash Position 17.2
 Accounting and Reporting 17.6
 Mirror Account 17.6
 Value Date 17.7
 Exchange Profit/Loss 17.8
 R Returns 17.8
 Forex Risk Management 17.9
 Measure of Value at Risk (VAR) 17.13
 Chapter Summary 17.13
 Key Terms and Concepts 17.14
 Test Your Understanding 17.15
 Assignment Material 17.17
 Appendix I : Extracts from RBI Circular on Risk Management and
 Interbank Dealings 17.18
 Appendix II : RBI's Guidelines for Internal Control Over Foreign
 Exchange Business of the Banks 17.21

PART IV – FOREIGN TRADE CONTRACTS AND DOCUMENTS

18. International Trade Contracts 18.3-18.17

Regulatory Framework 18.3
 Export Procedures 18.4
 Getting Established as an Exporter 18.4
 Entering into Export Contract 18.6
 Execution of Export Order 18.8
 Post-shipment Procedures 18.11
 Methods of Payments 18.12
 Chapter Summary 18.14
 Key Terms and Concepts 18.15
 Test Your Understanding 18.15
 Assignment Material 18.17

19. Letters of Credit 19.1-19.24

Meaning and Mechanism of Letter of Credit 19.1
 Meaning 19.1

CONTENTS

Meaning, Mechanism

(xvii)

Mechanism of a Letter of Credit	19.2
Evaluation of Letter of Credit	19.2
Advantages	19.4
Disadvantages/Limitations	19.4
Uniform Customs and Practice for Documentary Credits	19.5
Types of Letters of Credit	19.5
Payment, Acceptance and Negotiation Credits	19.6
Revocable and Irrevocable Credits	19.7
Confirmed and Advised Credit	19.9
With Recourse and Without Recourse Credits	19.11
Fixed and Revolving Credits	19.12
Transferable Credit	19.14
Back-To-Back Credit	19.15
Red Clause and Green Clause Credits	19.16
Standby or Guarantee Credit	19.17
Chapter Summary	19.18
Key Terms and Concepts	19.19
Test Your Understanding	19.20
Assignment Material	19.23
20. Operation of a Letter of Credit	20.1-20.26 ✓
Salient Features of a Letter of Credit	20.1
Responsibilities and Liabilities of Parties	20.7
Uniform Rules for Bank-To-Bank Reimbursements	20.12
Disclaimer of Responsibility by Banks	20.15
Practical Problems	20.16
Chapter Summary	20.20
Key Terms and Concepts	20.22
Test Your Understanding	20.22
Assignment Material	20.25
21. Documents Used in Foreign Trade	21.1-21.22 ✓
Bill of Exchange	21.2
Definition	21.2
Types of Bills	21.2
Noting and Protest	21.4
Stamp Duty	21.4
Marine Insurance Policy	21.5
Meaning and Need	21.5
Nature of Marine Cargo Insurance	21.5
Marine Insurance Policy	21.7
Marine Losses	21.8
Marine Policy Under Letter of Credit	21.10
Claim Procedure	21.12
Invoices	21.12

Certificates and Other Documents 21.16

Chapter Summary 21.19

Key Terms and Concepts 21.19

Test Your Understanding 21.20

Assignment Material 21.22

22. Transport Documents 22.1-22.21

 Bill of Lading 22.1

 Features 22.2

 Bill of Lading Under a Letter of Credit 22.7

 Other Types of Bill of Lading 22.10

 Transshipment 22.11

 Multimodal Transport Documents 22.12

 Provisions of UCP 22.13

 Air Waybill 22.13

 Nature and Content of Air Waybill 22.13

 Role of IATA 22.16

 House Air Waybill 22.17

 Other Transport Documents 22.17

 Chapter Summary 22.18

 Key Terms and Concepts 22.19

 Test Your Understanding 22.19

 Assignment Material 22.21

23. Incoterms 23.1-23.14

 Need and Scope 23.1

 Contract Terms for Carriage by Sea Transport 23.3

 Contract Terms for Carriage by Any Mode of Transport 23.6

 Comparison of Incoterms 23.10

 Chapter Summary 23.10

 Key Terms and Concepts 23.12

 Test Your Understanding 23.13

 Assignment Material 23.14

PART V—FINANCE OF FOREIGN TRADE

24. Financing Exports 24.3-24.18

 Role of Commercial Banks 24.3

 Packing Credit Advances 24.4

 General Features 24.4

 Certain Special Cases 24.7

 Pre-shipment Credit in Foreign Currency 24.10

 Forward Cover for PCFC 24.11

 PCFC—When Advantageous 24.11

 Advance Against Duty Drawback 24.12

Other Services to Exporters	24.13
Chapter Summary	24.15
Key Terms and Concepts	24.15
Test Your Understanding	24.16
Assignment Material	24.18
M 25. Post-shipment Finance	25.1-25.28 ✓
Scrutiny of Bills Drawn Under Letter of Credit	25.1
Dealing with Discrepancies in Documents	25.3
Purchase/Negotiation of Export Bill	25.4
Procedure on Purchase/Negotiation of Bill	25.5
Post-negotiation Procedures	25.6
Interest on Post-shipment Advance	25.8
Post-shipment Credit in Foreign Currency	25.8
Collection of Export Bills	25.10
Uniform Rules for Collection	25.10
Drawer's Instructions	25.10
Procedure at the Bank	25.11
Advance Against Bills Under Collection	25.12
Other Modes of Exports	25.12
Consignment Exports	25.12
Countertrade	25.13
Export Factoring	25.14
<u>U</u> FEMA Regulations	25.14
Importer-Exporter Code Number	25.14
Export Declaration Forms	25.14
Other Provisions	25.18
Chapter Summary	25.21
Key Terms and Concepts	25.23
Test Your Understanding	25.23
Assignment Material	25.25
Appendix : Asian Clearing Union	25.27
26. Project Exports and Investment Abroad	26.1-26.17 ✓
Definitions	26.1
Financing of Project Exports	26.3
Export of Services	26.4
Export Guarantees	26.5
Types of Guarantee	26.6
Uniform Rules for Contract Guarantees	26.7
Exchange Regulations	26.7
Security	26.8
Precautions	26.8
Indian Investments Abroad	26.8
Direct Investment Outside India	26.9
Investment in Foreign Securities Other Than Direct Investment	26.13

Chapter Summary	26.14
Key Terms and Concepts	26.14
Test Your Understanding	26.15
Assignment Material	26.17
27. Export Import Bank of India	27.1-27.17
Lending to Indian Exporters	27.2
Finance for Project and Service Exports	27.2
Facilities for Export Capability Creation	27.3
Facilities for Joint Ventures Abroad	27.6
Lending to Foreign Government, Companies, etc.	27.7
Loans to Commercial Banks in India	27.8
Non-Lending Services	27.9
Guaranteeing of Obligations	27.9
Guarantee Facility for Banks	27.10
Advisory Services	27.10
Promotional Activities	27.10
Forfaiting	27.11
Factoring and Forfaiting	27.11
Forfaiting By Exim Bank	27.12
Chapter Summary	27.13
Key Terms and Concepts	27.15
Test Your Understanding	27.15
Assignment Material	27.16
28. Export Credit Insurance	28.1-28.19
Whole Turnover Policies	28.2
Standard Policy	28.2
Small Exporter's Policy	28.5
Specific Policies	28.6
Maturity Factoring Facility	28.13
Guarantees to Banks	28.14
Chapter Summary	28.16
Key Terms and Concepts	28.17
Test Your Understanding	28.17
Assignment Material	28.19
29. Export Promotion Measures	29.1-29.14
Institutions for Export Promotion	29.1
Advisory Bodies	29.1
Promotional Organisations	29.2
Service Institutions	29.3
Export Promotion Measures	29.5
Incentives and Facilities to Exporters	29.7
Chapter Summary	29.10
Key Terms and Concepts	29.12

Test Your Understanding	29.12
Assignment Material	29.14
30. Financing Imports	30.1–30.22
A Glimpse of Trade Regulations	30.1
FEMA Regulations	30.3
Payment Against Imports	30.3
Evidence of Import	30.4
Opening a Letter of Credit	30.6
Appraisal	30.6
Documents to be Verified	30.7
Establishing a Letter of Credit	30.8
Amendments	30.9
Cancellation	30.10
Standby Letters of Credit	30.10
Payment of Import Bills	30.10
Bill Received Under a Letter of Credit	30.10
Foreign Inward Bills for Collection	30.11
Direct Receipt of Documents from Sellers	30.11
Dishonour by Importer	30.12
Import Finance	30.12
Import Loan	30.12
Trade Credits for Imports	30.14
Chapter Summary	30.15
Key Terms and Concepts	30.15
Test Your Understanding	30.16
Assignment Material	30.18
Appendix : FEDAI Guidelines on Standby Letters of Credit	30.19

PART VI—SOURCES OF EXTERNAL FUNDS

31. Non-Resident Deposits and Investments	31.3–31.28
Definitions of Residents and Non-Residents	31.3
Residents	31.3
Non-Residents	31.5
Non-Resident Deposit Accounts	31.5
Non-Resident Ordinary Rupee Accounts	31.6
Non-Resident (External) Accounts	31.8
Foreign Currency Non-Resident (Banks) Accounts	31.11
Resident Foreign Currency Accounts	31.13
Exchange Earners Foreign Currency Accounts	31.13
Resident Foreign Currency Account	31.14
Resident Foreign Currency (Domestic) Account	31.15
Foreign Currency Account of a Unit in a Special Economic Zone	31.16
Investments By Non-Residents	31.16
Foreign Direct Investment Scheme (FDI)	31.17

Portfolio Investment Scheme	31.19
Purchase of Other Securities	31.21
Investment in Partnership Firm/Proprietary Concern	31.22
Acquisition and Transfer of Immovable Property in India	31.22
Chapter Summary	31.23
Key Terms and Concepts	31.24
Test Your Understanding	31.25
Assignment Material	31.28
32. International Financial Markets	32.1-32.22
Factors Favouring Growth of the Market	32.1
Special Features of the Market	32.2
Interest Rate in Eurocurrency Markets	32.3
Eurocredits	32.4
Syndication of Loans	32.6
Eurobonds	32.7
Types of Bonds	32.8
Eurocurrency Deposits	32.9
Certificates of Deposit	32.10
Euronotes	32.10
Offshore Banking	32.11
Tax Havens	32.15
Chapter Summary	32.15
Key Terms and Concepts	32.16
— Test Your Understanding	32.16
Assignment Material	32.18
Appendix : Scheme for Setting Up of Offshore Banking Units (OBUs) in Special Economic Zones (SEZs)	32.20
33. Raising Funds Abroad	33.1-33.11
Decision to Borrow Abroad	33.1
External Commercial Borrowings	33.2
Features of the Policy	33.2
Euro-Issues	33.6
Chapter Summary	33.8
Key Terms and Concepts	33.9
Test Your Understanding	33.9
Assignment Material	33.11

PART VII—APPENDICES

A. Answers to Numerical Problems	A.3-A.14
B. Currencies and their Standard Abbreviations	A.15-A.16