

CONTENTS

VOLUME I

FOREWORD

	Page No.
I. THE THEME	1-12
Evolution of Banking in India	4
Issues in Banking Development in India	6
Structure of the Report	10
II. RECENT ECONOMIC DEVELOPMENTS	13-73
Real Sector	14
Fiscal Situation	23
Monetary and Credit Situation	32
Financial Markets	43
Banks and Financial Institutions	59
External Sector	62
Overall Assessment	72
III. EVOLUTION OF BANKING IN INDIA	74-141
The Early Phase of Banking in India – up to 1947	75
Banking in the Early Years of Independent India – 1947 to 1967	84
Social Control over Banks – 1967 to 1991	96
Phase of Financial Sector Reforms – 1991-92 onwards	110
Summing Up	136
Annex III.1 : Bank Failures, Liquidations and Amalgamations in India 1913 - 2007	139
Annex III.2: Number of Banks	141
IV. MANAGING RESOURCE MOBILISATION	142-176
Theoretical Underpinnings	143
Deposit Mobilisation by Banks in India	145
Cross-Country Experiences	166
Emerging Issues and the Way Forward	172
Summing Up	176
Exhibit IV.1 : Factors Affecting Household Savings	145
V. MANAGING CAPITAL AND RISK	177-233
Risk and Capital	179
Basel Norms on Capital Adequacy	182
Advantages, Limitations, Issues and Challenges of Basel II	191
Managing Capital and Risk : Indian Experience	199
The Way Forward	226
Summing Up	230
Annex V.1: Basel II Implementation : Cross-Country Status	232

(Contd...)

VOLUME II

	Page No.
VI. LENDING AND INVESTMENT OPERATIONS OF BANKS	235-293
Lending Operations of Banks – Theoretical Underpinnings	236
Lending Operations of Scheduled Commercial Banks in India	239
Lending to Agriculture	245
Credit to Industry	259
Infrastructure Lending	271
Retail Credit	278
Investment Operations of Banks	282
The Way Forward	286
Summing Up	291
VII. FINANCIAL INCLUSION	294-348
Access to Finance: Conceptual Framework	295
Nature, Causes and Consequences of Financial Exclusion	299
Initiatives for Financial Inclusion in India	303
An Assessment of Financial Inclusion/Exclusion in India	318
Operating Cost and Leveraging of Technology for Financial Inclusion	338
The Way Forward	342
Summing Up	345
Annex VII.1 : Definitions of Various Types of Expenditure Used in the NSSO Survey	348
VIII. COMPETITION AND CONSOLIDATION	349-392
Consolidation – Theoretical Underpinnings	350
Recent Trends in Mergers and Acquisitions in the Banking Industry	352
Consolidation and Competition in India	353
Mergers and Acquisitions : Impact on Competition and Efficiency in India	361
Issues in Consolidation and Competition in India	369
The Way Forward	386
Summing Up	390
Annex VIII.1: Roadmap for Presence of Foreign Banks in India	391
Annex VIII.2: Ray Scale Economies	392

(Contd...)

	Page No.
IX. EFFICIENCY, PRODUCTIVITY AND SOUNDNESS OF THE BANKING SECTOR	393-446
Measurement of Productivity and Efficiency – Some Conceptual Issues	394
Measurement of Productivity and Efficiency of the Banking Sector in India – Accounting Measures	395
Measurement of Efficiency and Productivity of the Banking Sector in India - Economic Measures	421
Soundness of the Banking Sector in India	433
Factors Behind the Improvement in Efficiency and Productivity	439
The Way Forward	441
Summing Up	443
Appendix IX.1 : Accounting <i>Versus</i> Economic Measures of Efficiency	445
X. REGULATORY AND SUPERVISORY CHALLENGES IN BANKING	447-503
Theory of Banking Regulation	448
Regulatory and Supervisory Practices – Recent Developments	451
Extant Regulatory and Supervisory Framework in India	475
Regulatory and Supervisory Challenges	481
The Way Forward	494
Summing Up	499
Annex X.1: Major Initiatives by the Board for Financial Supervision	501
XI. OVERALL ASSESSMENT	504-515
Evolution of Banking in India	504
Managing Resource Mobilisation	506
Managing Capital and Risk	507
Lending and Investment Operations of Banks	508
Financial Inclusion	509
Competition and Consolidation	511
Efficiency, Productivity and Soundness of the Banking Sector	511
Regulatory and Supervisory Challenges in Banking	513
Some Final Reflections	513
SELECT REFERENCES	I to XI

LIST OF BOX ITEMS

Box No.	Title	Page No.
I.1	Transformation of the Banking Sector – Major Drivers	4
III.1	Major Controls Introduced : 1967 to 1991	107
III.2	Deregulation of Interest Rates	114
III.3	Major Banking Sector Reforms – 1991-92 onwards	135
IV.1	Deregulation of Deposit Interest Rates in India	152
IV.2	Rationalisation of Small Savings Rates	158
IV.3	Non-Resident Deposits	160
IV.4	Deposits <i>versus</i> Borrowings : Some Issues	164
V.1	Economic Capital <i>versus</i> Regulatory Capital	181
V.2	Basel II Norms : Main Elements	186
V.3	Principles for the Supervisory Review Process	189
V.4	Assessment of Risks	190
V.5	Effect of Recent Financial Turmoil on Basel II	193
V.6	State of Rating Practices in India	203
V.7	Credit Derivatives and Credit Risk Management	204
V.8	Adoption of Capital Charge for Market Risk in India	205
V.9	Operational Risk and Business Continuity Planning	206
V.10	Migration to New Capital Adequacy Framework : Parallel Run Process	209
V.11	Enhancement of Banks' Capital Raising Options for Capital Adequacy Purposes	211
V.12	Enterprise-wide Risk Management	212
V.13	IT Applications in Risk Management Strategies of Banks	214
V.14	Banks' Response Towards Capital Requirements : Indian Experience	216
V.15	Estimates of Capital Requirements of Indian Banks under Basel II by Various Agencies	221
V.16	Estimation of Capital Requirements for Banks in India – Methodology	222
VI.1	Lending Operations of Banks : Major Policy Initiatives	240
VI.2	Risks Associated with Lending to Agriculture	246
VI.3	Priority Sector Targets for Scheduled Commercial Banks – Revised Guidelines	247
VI.4	Issues in Agricultural Credit – Developing Countries' Perspective	256
VI.5	Agricultural Lending Practices : Cross-Country Experiences	257
VI.6	Agriculture Credit – An International Perspective of Successful Experiences ...	258

(Contd...)

Box No.	Title	Page No.
VI.7	Difficulties faced by the Banking Sector in Extending Credit to SMEs	265
VI.8	Initiatives to Improve the Credit Flow to SMEs	266
VI.9	Lending to SMEs – Recent Initiatives Taken by Banks in India – A Brief Survey	267
VI.10	Basel II and Lending to the SME Sector – Banks' Behaviour	268
VI.11	Financing of SMEs : Experiences of Advanced and Emerging Economies	269
VI.12	Bank Lending to Infrastructure : Risks and Opportunities	273
VI.13	Financing of Infrastructure by Banks : Cross-Country Experiences	274
VI.14	RBI Guidelines on Financing of Infrastructure by Banks : Salient Features	275
VI.15	Risks of Retail Lending	281
VII.1	Factors Affecting Access to Financial Services	301
VII.2	Financial Inclusion in India – Key Elements	304
VII.3	Self-Help Group – Bank Linkage Programme	306
VII.4	Financial Inclusion: Novel Method of Financing	309
VII.5	Financial Inclusion: Women Empowerment	309
VII.6	Grameen Bank in Bangladesh	310
VII.7	Successful Model for Financial Inclusion: A Case Study of Andhra Pradesh	312
VII.8	Branchless Banking through Business Correspondents	313
VII.9	Urban Financial Inclusion – Dharavi (Mumbai) Model	313
VII.10	Housing and Financial Inclusion	314
VII.11	Report of the Committee on Financial Inclusion	315
VII.12	Financial Inclusion Strategy in Select Countries	316
VII.13	Financial Inclusion Initiatives in Different Countries	317
VII.14	SHG-Bank Linkage Programme : An Assessment	331
VII.15	Relationship Between Financial Inclusion and Development Indicators	337
VII.16	Technology and Financial Inclusion	342
VIII.1	Consolidation and its Implications for Financial Stability and Monetary Policy	352
VIII.2	Guidelines on Mergers and Amalgamations of Banks	356
VIII.3	Market-Driven <i>versus</i> Government-led Bank Consolidation : Cross-Country Experience	359
VIII.4	Impact of Consolidation on Competition : Cross-Country Evidence	362
VIII.5	Measures of Concentration Indices	363

(Contd...)

Box No.	Title	Page No.
VIII.6	Panzar-Rosse Statistics : The Indian Case	366
VIII.7	Efficiency Gains from M&As : A Case Study of Select Banks	368
VIII.8	Privatisation of Commercial Banks : Cross-Country Experiences	374
VIII.9	Branches <i>versus</i> Subsidiaries of Foreign Banks	378
VIII.10	Growing Significance of Foreign Banks in EMEs	380
VIII.11	Cost and Benefits of Foreign Banks Entry	381
VIII.12	Benefits and Costs of Foreign Banks Entry: Cross-Country Evidence	382
IX.1	Productivity and Efficiency – A Fine Distinction	394
IX.2	Productivity and Efficiency : Cross-Country Empirical Evidence	396
IX.3	Analytical Framework of Ratio Analysis	397
IX.4	Yield Curve and Net Interest Margin of Banks	408
IX.5	Determinants of Net Interest Margin in India	409
IX.6	Data Envelopment Analysis	422
IX.7	What Explains the Differences in Efficiency of Different Banks? An International Perspective	428
IX.8	Does Size Matter? – Cross-Country Empirical Evidence	430
IX.9	Determinants of Efficiency of the Banking Sector in India	432
IX.10	Malmquist Productivity Index	433
IX.11	Importance of Efficiency – The Case Study of a Bank	438
IX.12	Efficiency and NPAs Relationship in India	439
X.1	Banking Supervision and the Central Bank	454
X.2	Northern Rock Liquidity Crisis	456
X.3	The Lender of Last Resort	457
X.4	Financial Conglomerates – Definition and Structure	459
X.5	Approaches to Financial Regulation	462
X.6	Subordinate Debt as a Means of Market Discipline	467
X.7	Growth of Deposit Insurance Systems	470
X.8	Deposit Insurance – Advantages and Disadvantages	472
X.9	The Design of Deposit Insurance	473
X.10	Board for Financial Supervision and its Major Initiatives	479
X.11	Integration of Supervisory Methodologies	485
X.12	Report of the Electronic Banking Group of BCBS on “Risk Management Principles for Electronic Banking”	490

LIST OF CHARTS

Chart No.	Title	Page No.
II.1	Annual Growth of Real GDP at Factor Cost (At 1999-00 prices)	14
II.2	Gross Domestic Savings – By Sector	15
II.3	Gross Domestic Investment – By Sector	16
II.4	Cumulative Rainfall	17
II.5	Broad Money Growth	36
II.6	Non Food Credit	36
II.7	Consumer Price Inflation	38
II.8	International Commodity Prices	39
II.9	Central Bank Policy Rates	39
II.10	Wholesale Price Inflation	40
II.11	Call Rate Movements	45
II.12	Movements in Key Market Rates	48
II.13	Movement of Primary Yield of Treasury Bills	51
II.14	Weighted Average Interest Rate of State Governments’ Market Borrowings	51
II.15	Utilisation of WMA and Overdraft by States	52
II.16	Investments in 14-day Intermediate and Auction Treasury Bills by the State Governments	53
II.17	Government Securities Turnover and Yields (Monthly Average)	53
II.18	Movement of Rupee <i>vis-à-vis</i> Major Currencies	54
II.19	Monthly Movement in Foreign Investment Inflows and Intervention	55
II.20	Movements in Forward Premia	56
II.21	Trends in Sectoral Stock Indices	58
II.22	World Output Growth	62
II.23	Growth in World Trade – Volume and Prices	64
II.24	Movement of Invisibles Surplus	68
II.25	Net Inflows/Outflows by Foreign Institutional Investors	70
II.26	NRI Deposits – Outstanding	70
II.27	Currency Composition of India’s External Debt as at End-March 2008	71
IV.1	Bank Deposit Growth Rate	148
IV.2	Population Group-wise Bank Deposits	149

(Contd...)

Chart No.	Title	Page No.
IV.3	Aggregate Bank Deposits	150
IV.4	Share of Demand and Time Deposits in Aggregate Deposits of SCBs	151
IV.5	Time Deposits and Small Savings	155
IV.6	Trends in the Share of Current, Savings and Term Deposits in Total Deposits of Banks	157
IV.7	Certificates of Deposit	159
IV.8	Household Savings Rates	162
IV.9	Bank Deposit Growth and Per Capita GDP: 2006	163
V.1	Calculating Credit Risk using the Standardised Approach	187
V.2	Capital and Leverage Ratio for Indian Banks	199
V.3	Net Profit of Banks	218
V.4	Reserves and Surplus	218
V.5	Total Risk Weighted Assets	219
V.6	CRAR of Scheduled Commercial Banks	219
VI.1	Non-food Credit and Bank Credit	241
VI.2	Gross and Net NPAs	242
VI.3	Outstanding Credit of SCBs According to Type of Accounts	243
VI.4	Bank Group-wise Growth Rate in Bank Credit	243
VI.5	Credit-GDP Ratio of SCBs in India	243
VI.6	Bank Group-wise Credit-Deposit Ratio	244
VI.7	Loans and Advances by Banks : Sector-wise Share	245
VI.8	Priority Sector Advances to Agriculture	248
VI.9	Outstanding Credit of Scheduled Commercial Banks to the Agricultural Sector	249
VI.10	Institutional Credit to Agriculture (Disbursements) as Percentage of Agricultural GDP and Total GDP	249
VI.11	Bank Group-wise Classification of Outstanding Credit of SCBs to Agriculture	250
VI.12	Classification of Outstanding Credit of SCBs to Agriculture	250
VI.13	Indirect Finance to Agriculture by Type of Accounts	250
VI.14	Scheduled Commercial Banks' Direct Finance to Farmers (Disbursements) According to Size of Land Holdings : Amount	251

(Contd...)

Chart No.	Title	Page No.
VI.15	Scheduled Commercial Banks' Direct Finance to Farmers According to Size of Land Holdings (Disbursements) : Number of Accounts	251
VI.16	Small Loans : Number of Agricultural Borrowal Accounts	252
VI.17	Small Loans : Agricultural Credit Outstanding	252
VI.18	The Share of Agricultural Small Borrowal Accounts in Agricultural Borrowal Accounts – Adjusted for Inflation	253
VI.19	Credit Intensity of Industry	260
VI.20	Trends in Credit to the SSI Sector	263
VI.21	Credit Intensity of the SSI Sector	264
VI.22	The Share of Credit to SMEs in Credit to Industry : Bank Group-wise	264
VI.23	Weighted Average Interest Rates on Credit to Select Sectors and BPLR	266
VI.24	Trend in Personal Loans	278
VI.25	Trend in Housing Loans	278
VI.26	Share of Personal Loans in Total Bank Credit – Bank Group-wise	280
VI.27	Growth Rate of Investments by SCBs	282
VI.28	SLR Investments by Scheduled Commercial Banks	283
VI.29	Growth in Bank Credit and Investment in Government Securities by SCBs	283
VI.30	Major Assets of Scheduled Commercial Banks	283
VI.31	Bank Group-wise Investment-Deposit Ratio	284
VI.32	Return on Advances and Return on Investments	284
VII.1	Financial Products and Services and the Institutional Structure	298
VII.2	Dimensions of Access Problems	300
VII.3	Post Office Savings Schemes – Share in Number of Accounts	334
VII.4	Savings Accounts per 100 Persons – Different Estimates	336
VIII.1	Concentration Ratio of Commercial Banks in India.	364
VIII.2	HHI and Entropy Index Measures of Concentration	365
VIII.3	RoA of Select Merged Banks <i>vis-à-vis</i> Respective Bank Group	369
IX.1	Operating Cost to Total Assets – 2006-07	398
IX.2	Off-Balance Sheet Exposures to Total Assets	398
IX.3	Ratio of Operating Costs to Average Assets of Banks in Select Countries – 2006	399
IX.4	Cost to Income Ratio – 2006-07	400

(Contd...)

Chart No.	Title	Page No.
IX.5	Cost to Income Ratio of Banks in Select Countries – 2006	400
IX.6	Labour Cost per Earning Asset – 2006-07	402
IX.7	Ratio of Labour Cost to Total Assets in Select Countries – 2006	403
IX.8	Non-Labour Cost per Earning Asset – 2006-07	404
IX.9	Ratio of Non-Labour Costs to Total Assets of Banks in Select Countries – 2006	405
IX.10	Intermediation Cost – 2006-07	407
IX.11	Net Interest Margin – 2006-07	408
IX.12	Net Interest Margin of Banks in Select Countries – 2006	409
IX.13	Other Operating Income to Total Income – 2006-07	411
IX.14	Ratio of Other Income to Total Income of Banks in Select Countries – 2006	411
IX.15	Business Per Employee – 2006-07	413
IX.16	Business Per Branch of Various Bank Groups – 2006-07	415
IX.17	Return on Assets of Various Bank Groups – 2006-07	416
IX.18	Return on Assets of Banks in Select Countries – 2006	417
IX.19	Return on Equity of Various Bank Groups – 2006-07	418
IX.20	Return on Equity of Banks in Select Countries – 2006	419
IX.21	Bank Group-wise Trends in Efficiency (1992-2007)	424
IX.22	Efficiency and Ownership	425
IX.23	Efficiency and Size	431
IX.24	Efficiency and Other Income	431
IX.25	Efficiency and Non-Performing Assets	432
IX.26	Bank Group-wise Trends in Productivity – 1991-92 - 2006-07	434
IX.27	Net NPAs of various Bank Groups	437
X.1	Assets of Commercial Banks in India	482
X.2	Off-Balance Sheet Exposure of Commercial Banks in India	482

LIST OF TABLES

Table No.	Title	Page No.
1.1	Financial Intermediaries in India	5
2.1	Real GDP Growth Rate	14
2.2	Annual and Quarterly Growth Rates of Gross Domestic Product	15
2.3	Rate of Gross Domestic Savings and Investment	16
2.4	Cumulative Rainfall	17
2.5	Crop-wise Targets/Achievements	18
2.6	Season-wise Agricultural Production	18
2.7	Management of Foodstocks	19
2.8	Monthly Growth of IIP	20
2.9	Growth of Manufacturing Industries (2-digit Level Classification)	21
2.10	Sectoral Growth and Contribution to IIP Growth	21
2.11	Growth Rate of Infrastructure Industries	22
2.12	Quarterly Growth Performance of Service Sub-Sectors	22
2.13	Agencies' Forecast for Real GDP Growth in 2008-09	23
2.14	Key Deficit Indicators of the Central Government	25
2.15	Receipts of the Centre	26
2.16	Expenditure Pattern of the Centre	27
2.17	Financing Pattern of Gross Fiscal Deficit	28
2.18	Major Deficit Indicators of the State Governments	29
2.19	Aggregate Receipts of the State Governments	29
2.20	Expenditure Pattern of the State Governments	30
2.21	Decomposition and Financing Pattern of Gross Fiscal Deficit of the State Governments	30
2.22	Combined Liabilities and Debt-GDP Ratio	31
2.23	Reserve Money – Variations	34
2.24	Monetary Indicators	35
2.25	Scheduled Commercial Banks Survey	36
2.26	Deployment of Gross Bank Credit by Major Sectors	37
2.27	Select Sources of Funds to Industry	38

(Contd...)

Table No.	Title	Page No.
2.28	Wholesale Price Inflation in India (year-on-year)	41
2.29	Consumer Price Inflation : Major Groups	43
2.30	Domestic Financial Markets at a Glance	44
2.31	Market Borrowings of the State Governments	52
2.32	Nominal and Real Effective Exchange Rate of the Indian Rupee (Trade Based Weights)	54
2.33	Sales/Purchases of US Dollar by the Reserve Bank	55
2.34	Mobilisation of Resources through the Primary Market	56
2.35	Net Resource Mobilisation by Mutual Funds	57
2.36	Net Investments by Institutional Investors	58
2.37	Trends in Stock Markets	58
2.38	Turnover in Derivatives Market <i>vis-à-vis</i> Cash Market at NSE	59
2.39	Key Parameters of Bank Groups	60
2.40	Urban Co-operative Banks – Select Financial Indicators	60
2.41	Financial Institutions – Select Performance Indicators	61
2.42	Consolidated Balance Sheets of NBFCs-D (Excluding RNBCs)	61
2.43	Profile of Residuary Non-Banking Companies (RNBCs)	62
2.44	Growth Rates – Global Scenario	63
2.45	India's Merchandise Trade	65
2.46	Global Merchandise Export Growth	65
2.47	Exports of Principal Commodities	66
2.48	Major Destinations of India's Exports	66
2.49	India's Principal Imports	67
2.50	India's Current Account	68
2.51	Capital Flows (Net)	69
2.52	Foreign Investment Inflows By Category	69
2.53	Net Inflows/Outflows by Foreign Institutional Investors	70
2.54	Inflows under NRI Deposit Schemes	70
2.55	India's External Debt	71

(Contd...)

Table No.	Title	Page No.
3.1	Number of Banks, Capital and Deposits	76
3.2	Bank Failures in India – 1913 to 1921	78
3.3	Number of Co-operative Banks	78
3.4	Province-wise Distribution of Banks in India – 1930s	79
3.5	Capital and Reserves of Failed Banks	79
3.6	Number of Commercial Banks in India and Deposits with Them	80
3.7	Number of Reporting Banks and Deposits with Them	82
3.8	Number of Bank Branches : 1940-1945	83
3.9	Failure of Banks – 1936-1945	84
3.10	Number and Deposits of Indian Banks – End-December 1947	85
3.11	Distribution of Commercial Banks – End-December 1947	85
3.12	Number of Banks Failed – 1947-1955	86
3.13	Commercial Banks Amalgamated – 1954-66	88
3.14	Commercial Banks under Liquidation – 1954-66	89
3.15	Scheduled and Non-Scheduled Commercial Banks in India	89
3.16	Sectoral Deployment of Credit by Scheduled Commercial Banks	90
3.17	Scheduled Commercial Banks – Deposit Mobilisation	92
3.18	Household Sector Savings	93
3.19	Branch Expansion of Commercial Banks	94
3.20	Advances of Scheduled Commercial Banks to Various Sectors	94
3.21	Share of Major Cities in Total Deposits and Credit of Banks : End-December 1969	97
3.22	Branch Network of Commercial Banks	98
3.23	Region-wise Distribution of Bank Branches in India	99
3.24	Scheduled Commercial Banks – Average Annual Growth Rates of Deposits	99
3.25	Domestic Household Sector Savings	100
3.26	Scheduled Commercial Banks' Advances To Agriculture	101
3.27	Growth of Rural Banking in India – 1969-1990	102
3.28	Distribution of Bank Credit to Various Sectors – Outstanding	102

(Contd...)

Table No.	Title	Page No.
3.29	Select Fiscal Indicators of the Central Government	105
3.30	Changes in Cash Reserve Ratio – 1973-1989	105
3.31	Changes in Statutory Liquidity Ratio – 1970-1990	105
3.32	Structure of Interest Rates – Commercial Banks	106
3.33	Return on Assets of Commercial Banks	107
3.34	CRAR Position – End-March 1998	112
3.35	Movements of Interest Rates of Commercial Banks	115
3.36	Profitability Indicators of Scheduled Commercial Banks	115
3.37	Scheduled Commercial Bank Credit to Agriculture	119
3.38	NPAs Recovered by SCBs Through Various Channels	122
3.39	Gross and Net Non-Performing Assets	122
3.40	CRAR of Scheduled Commercial Banks – 2007	123
3.41	Majority Equity Held by Non-Residents in Private Sector Banks in India	124
3.42	Share of Non-Interest Income in Total Income of Scheduled Commercial Banks	124
3.43	Growth of Urban Co-operative Banks (UCBs)	132
3.44	Gradation of Urban Co-operative Banks	132
3.45	Computerisation in Public Sector Banks	133
3.46	ATMs of Scheduled Commercial Banks	133
3.47	Paper Based <i>versus</i> Electronic Transactions	134
4.1	Primary and Secondary Issues	146
4.2	Financial Flows by Sectors	147
4.3	Flow of Funds Accounts for Commercial Banks	147
4.4	Growth in Bank Deposits	148
4.5	Number of Bank Offices in India	148
4.6	Population Group-wise Distribution of Deposit Accounts of SCBs	149
4.7	Financial Assets and Liabilities of the Household Sector: Distribution Pattern	150
4.8	Small Savings Collections	153
4.9	Structure of Interest Rates on Bank Deposits and other Small Savings Scheme	153

(Contd...)

Table No.	Title	Page No.
4.10	Interest Rate Range-wise Distribution of Term Deposits	154
4.11	Effective Rate of Return Available on Small Saving Instruments for Different Income Tax Brackets	154
4.12	Share of Population Groups in Total Deposits	155
4.13	Share in Total Deposits of Scheduled Commercial Banks – Sector-wise	156
4.14	Share in Various Types of Deposits of Scheduled Commercial Banks – Sector-wise	156
4.15	Maturity-wise Ownership Pattern of Term Deposits of Scheduled Commercial Banks	157
4.16	Non-Resident Indian (NRI) Deposits	159
4.17	Resource Mobilisation by Banks, Non-Banks and Equity Market (Flows)	161
4.18	Gross Domestic Saving Rates	161
4.19	Bank Deposits to GDP Ratio (Deflated by CPI): Cross-Country Evidence	162
4.20	Gross Domestic Savings Rate : Cross-Country Evidence	163
4.21	Liabilities of Scheduled Commercial Banks – Share of Major Components (Excluding RRBs)	165
4.22	Cost of Funds and Return on Funds of SCBs	165
4.23	Relative Shares of Total Financial Intermediaries Assets in the United States	167
5.1	Types of Risks Faced by Banks	180
5.2	Timeline and Approaches for Implementation of Basel II – Select Countries	198
5.3	Public Sector Banks – Recapitalisation	217
5.4	Public Issues by Public Sector Banks	217
5.5	Public Issues by Private Sector Banks	217
5.6	Ownership Structure of Public Sector Banks	218
5.7	Scheduled Commercial Banks – Capital Funds and Risk-Weighted Assets	219
5.8	Capital Adequacy Ratio – Bank Group-wise	220
5.9	Distribution of Scheduled Commercial Banks by CRAR	220
5.10	Risk-Weighted Assets and Capital Requirements – Projection under Scenario I (9 per cent CRAR)	223

(Contd...)

Table No.	Title	Page No.
5.11	Growth in Risk-Weighted Assets and Capital Requirements – Projection under Scenario II (12 per cent CRAR)	224
5.12	Composition of Capital – Nationalised Banks	225
5.13	Government Equity and Headroom Available – Nationalised Banks	225
5.14	Capital Required (2007-08 to 2011-12) and Headroom Available – Nationalised Banks	226
6.1	Sector-wise Growth Rate of Bank Credit	241
6.2	Credit-GDP Ratio of the Banking Sector – Select Countries	244
6.3	Distribution of Outstanding Credit of Scheduled Commercial Banks (Share in Total Credit)	245
6.4	Borrowing of Cultivator Households from Different Sources	248
6.5	Small Borrowal Accounts to Agriculture	253
6.6	Commercial Bank Credit to the Agriculture Sector : A Survey of Select Countries	254
6.7	Commercial Bank Credit Intensity of the Agriculture Sector : A Survey of Select Countries	254
6.8	Pattern of Sources of Funds of Indian Corporates	260
6.9	Type of Credit to Industry by Banks	260
6.10	The Share of Credit to Industry in Total Credit – Component-wise	261
6.11	Commercial Bank Credit to Industry : A Cross – Country Survey (Share in Total Bank Credit)	261
6.12	Credit Intensity of the Industrial Sector: A Survey of Select Countries	262
6.13	Bank Credit to Industry and the SSI sector	263
6.14	Gross NPAs of Scheduled Commercial Banks in the SSI Sector	263
6.15	The Share of SME Credit in Total Credit (Bank Group-wise)	264
6.16	Ownership Structure of SSIs	266
6.17	Financing Constraints (Percentage of Firms Rating Constraint 'Major' or 'Moderate')	270
6.18	Financing Patterns of Firms in Select Countries	271
6.19	Financing Sources for Private Sector Infrastructure	272
6.20	Credit by Scheduled Commercial Banks to Infrastructure Sector	275
6.21	Credit by Scheduled Commercial Banks to Infrastructure : Sector-wise – Outstanding	276

(Contd...)

Table No.	Title	Page No.
6.22	Net Credit Flow to the Infrastructure Sector by Scheduled Commercial Banks	276
6.23	Credit Disbursed by DFIs to the Infrastructure Sector	277
6.24	Commercial Bank Credit to the Infrastructure Sector : A Survey of Select Countries	277
6.25	Growth of Housing Loans	278
6.26	Composition of Bank Credit : A Cross-Country Comparison	280
6.27	Non-SLR Investments of Scheduled Commercial Banks	284
6.28	The Share of Investment in Total Assets : Select Countries	285
7.1	Definitional Aspects of Financial Inclusions/Exclusions	297
7.2	Basic/'No-Frills' Accounts – Salient Features in Select Countries	307
7.3	India's SHG – Bank Linkage Programme and Bangladesh's Grameen Bank Model : Major Features	311
7.4	Number of Indebted Households	319
7.5	Outstanding Households' Debt	319
7.6	Outstanding Debt per Indebted Household	320
7.7	Indebtedness of Households – Asset Holding-wise	320
7.8	Number of Indebted Households – Institutional <i>versus</i> Non-Institutional Sources	321
7.9	Outstanding Households Debt – Institutional <i>versus</i> Non-Institutional Sources	322
7.10	Distribution of Indebted Households to Institutional and Non-Institutional Credit Agencies	323
7.11	Sources of Loans by Income Groups – IIMS Survey	324
7.12	Purpose of Loans Taken by Households – NSSO Survey	324
7.13	Purpose of Loans Taken by Earners – IIMS Survey 2007	325
7.14	Annual Average Growth Rates of Agriculture and in Bank Credit	326
7.15	Population per Bank Branch	327
7.16	Credit Accounts with Scheduled Commercial Banks	327
7.17	Credit Accounts with Scheduled Commercial Banks – Region-wise	328
7.18	Number of Credit Accounts and Outstanding Credit as per Size of Credit Limit – All SCBs	328

(Contd...)

Table No.	Title	Page No.
7.19	Number of Credit Accounts of All SCBs – Inflation Adjusted Credit Limit	329
7.20	Regional Rural Banks in India – Credit Accounts/Amounts	329
7.21	Progress of Primary Agricultural Credit Societies	330
7.22	SHG-Bank Linkage Programme	330
7.23	Regional Pattern of SHGs Linked to Banks	330
7.24	Institutional Credit Flow to the Agriculture Sector in India	331
7.25	Number of Credit Accounts with Institutions	332
7.26	Savings Accounts with Scheduled Commercial Banks	332
7.27	Savings Accounts of Scheduled Commercial Banks	333
7.28	Savings Accounts with Regional Rural Banks	333
7.29	Number of ‘No-Frills’ Accounts Opened in India	334
7.30	Earners Having a Bank Account – 2007	334
7.31	Number of Savings Accounts with Institutions	335
7.32	Insurance Penetration Ratio - Select Countries – 2005	335
7.33	Comparison of AIDIS and BSR Data – Household Indebtedness to Commercial Banks	336
7.34	Return on Assets and ‘No-Frills’ Accounts – Select Banks	339
7.35	Cost of Credit from Various Agencies in India	340
7.36	Charges of Micro-Finance Institutions	340
7.37	Pros and Cons of Various Technologies	341
8.1	Cross-Country Bank Mergers and Acquisitions	353
8.2	Number of Commercial Banks	354
8.3	Banks Amalgamated since Nationalisation of Banks in India	357
8.4	New Private Sector and Public Sector Banks and Bank Mergers in India	360
8.5	Ranking of Indian Banks Among World’s Top 1000 Banks	360
8.6	The Relative Size of the Largest Bank of India <i>vis-à-vis</i> the Largest Banks in Select Countries	361
8.7	Trend in Banking Concentration Ratio Across Countries	364
8.8	Herfindahl-Hirschman Index	365

(Contd...)

Table No.	Title	Page No.
8.9	Size of the Banking System in Relation to the Size of Economy	371
8.10	Degree of State-Owned Bank Assets and Banking Crisis	377
8.11	Foreign and Domestic Bank Performance Indicators in Developing Regions – 1998-2005 (Average)	383
8.12	Foreign Banks in India	384
9.1	Operating Cost to Total Assets of Commercial Banks in India	397
9.2	Operating Cost to Total Assets of Commercial Banks in Select Countries	399
9.3	Cost to Income Ratio of Commercial Banks in India	400
9.4	Cost to Income Ratio of Commercial Banks in Select Countries	401
9.5	Labour Cost per Unit of Earning Assets of Commercial Banks in India	402
9.6	Ratio of Personnel Expenses to Earning Assets of Commercial Banks in Select Countries	403
9.7	Non-Labour Cost per Unit of Earning Assets of Commercial Banks in India	404
9.8	Ratio of Labour Cost to Non-Labour Cost of Commercial Banks in India	405
9.9	Ratio of Non-Labour Cost to Total Earning Assets of Commercial Banks in Select Countries	406
9.10	Intermediation Costs of Commercial Banks in India	406
9.11	Ratio of NIM to Total Assets of Commercial Banks in India	407
9.12	Net Interest Margins of Commercial Banks in Select Countries	410
9.13	Share of Other Income to Total Income of Commercial Banks in India	411
9.14	Ratio of Other Operating Income to Total Income of Commercial Banks in Select Countries	412
9.15	Business per Employee of Commercial Banks in India	413
9.16	Business per unit Labour Cost of Commercial Banks in India	414
9.17	Business per Branch of Commercial Banks in India	415
9.18	Business per Urban/Metro Branch of Commercial Banks in India	416
9.19	Return on Assets of Commercial Banks in India	416
9.20	Return on Assets of Commercial Banks in Select Countries	417
9.21	Return on Equity of Commercial Banks in India	418
9.22	Return on Equity of Commercial Banks in Select Countries	419

(Contd...)

Table No.	Title	Page No.
9.23	A Snapshot of Productivity Ratios of Commercial Banks in India	420
9.24	Bank Group-wise Efficiency Levels	423
9.25	Frequency Distribution of Efficiency	424
9.26	Efficiency Ranks of Banks	426
9.27	Total Factor Productivity Change	434
9.28	CRAR of Commercial Banks in India	435
9.29	Capital to Total Assets Ratio of Commercial Banks in Select Countries	436
9.30	Net NPAs as per cent of Total Advances of Commercial Banks in India	437
9.31	Ratio of Impaired Loans to Gross Loans of Commercial Banks in Select Countries	438
10.1	Countries with Super Regulator Structure	463
10.2	Strategic Aim and Indicators of Principle-based Regulation	468
10.3	Countries with Risk-based Premium under Explicit Deposit Insurance System	475