

## CONTENTS

Letter to the Government and the Finance Committee of the Knesset .....	v
<b>Chapter 1</b> <i>The Economy: Developments and Policies</i> .....	1
<b>Chapter 2</b> <i>Product, Domestic Demand, and the Principal Industries</i>	
1. Main Developments .....	17
2. Investment and Capital Stock .....	30
3. Principal Industries .....	33
Appendix Tables .....	54
<b>Chapter 3</b> <i>Prices</i>	
1. Main Developments .....	63
2. The Inflationary Process .....	66
Appendix Tables .....	78
<b>Chapter 4</b> <i>Employment and Wages</i>	
1. Main Developments .....	80
2. Employment and Labor Input .....	86
3. Unemployment .....	91
Appendix Tables .....	94
<b>Chapter 5</b> <i>The Public Sector</i>	
1. Main Developments .....	97
2. Fiscal Policy .....	102
3. Defense Consumption .....	107
4. The Local Authorities in the 1980s .....	109
5. Taxes, Transfers, and Subsidies .....	112
Appendix .....	121
Appendix Tables .....	122
<b>Chapter 6</b> <i>The Balance of Payments</i>	
1. Main Developments .....	128
2. The Exchange-Rate Regime .....	131
3. The Current Account .....	135
4. The Capital Account and the External Debt .....	148
Appendix Tables .....	157

<b>Chapter 7</b>	<b><i>Money and Capital Markets</i></b>	
1.	Main Developments .....	169
2.	Monetary Policy .....	179
3.	The Tools of Monetary Policy .....	187
4.	Reform of the Money and Capital Markets .....	189
5.	Activity in the Capital Market .....	191
	Appendix Tables .....	193
<b>Chapter 8</b>	<b><i>Activities of the Bank of Israel</i></b>	
1.	Summary of the Balance Sheet at the End of 1989 .....	219
2.	Monetary Policy Measures in 1989 .....	219
3.	State Loans Administration .....	226
4.	Credit Control Department and Controller of Foreign Exchange .....	226
5.	Supervision of Banks .....	228
6.	Issue of Banknotes, Coins, and Commemoratives .....	229
7.	Foreign Department .....	229
8.	Economic Research .....	230
9.	Bank of Israel Publications .....	231
10.	Governor's Office and Senior Management .....	232
11.	Advisory Committee and Council .....	233
	<b><i>Financial Statements</i></b> .....	235

## TABLES

<b>Chapter 1</b>	<b><i>The Economy: Developments and Policies</i></b>	
1.1	Main Economic Indicators, 1977–89 .....	1
1.2	Some Determinants of Business-Sector Profitability, 1981–89 .....	4
1.3	General Government Deficit, 1980–89 .....	5
1.4	Prices, 1987–89 .....	8
1.5	Wages and Labor Productivity—Business Sector, 1985–89 .....	9
1.6	Employment and Unemployment, 1985–89 .....	11
1.7	GDP and Aggregate Domestic Demand, 1986–89 .....	12
1.8	Balance-of-Payments Indicators, 1982–89 .....	13
<b>Chapter 2</b>	<b><i>Product, Domestic Demand, and the Principal Industries</i></b>	
2.1	Resources and Use of Resources, 1981–89 .....	18
2.2	Selected Business-Sector Indicators, 1982–89 .....	22
2.3	Product and Productivity of the Business Sector, 1961–89 .....	23
2.4	Domestic Product and Productivity, by Industry, 1981–89 .....	24
2.5	Income Originating in the Business Sector, 1981–89 .....	25

2.6	The Rate of Saving, Investment, and the Current Account, 1981–89...	27
2.7	Gross Domestic Investment by Type of Capital Good, 1981–89 ....	31
2.8	Fixed Nondwelling Investment by Initiating Sector, 1981–89 .....	32
2.9	Indicators of Agricultural Production, 1979–89 .....	35
2.10	Indicators of Industrial Production, 1980–89 .....	40
2.11	Indicators of Construction Activity, 1968–89 .....	43
2.12	Housing Construction by Initiating Sector, 1970–89 .....	45
2.13	Indicators of Housing Demand, 1981–89 .....	46
2.14	Output of Transport and Communications, 1986–89 .....	50
2.15	Tourism to Israel, 1986–89 .....	52
2.A1	Resources and Use of Resources—Annual Data, 1981–89 .....	54
2.A2	Gross National Product and National Income, 1986–89 .....	55
2.A3	Private Consumption, 1981–89 .....	56
2.A4	Gross Stock of Fixed Capital, by Industry, 1981–90 .....	57
2.A5	Private Disposable Income and the Saving Rate, 1986–89 .....	58
2.A6	Rate of Change of Private Disposable Income, 1986–89 .....	59
2.A7	Gross Income from All Sources and Gross Saving, 1986–89 .....	60
2.A8	Industrial Production, Exports, and Investment, 1988–89 .....	61
2.A9	Indicators of Road Traffic Density, 1980–89 .....	62
2.A10	Purchasing Power of Selected Currencies, 1988–89 .....	62

### **Chapter 3**    *Prices*

3.1	Selected Price Indexes, 1970–90:I .....	64
3.2	Price Change of Controlled Goods in the CPI, 1985–89 .....	68
3.3	Price Developments: Related Indicators, 1987–89 .....	70
3.4	Prices of Tradables and Nontradables, 1986–90:I .....	73
3.5	Selected Consumer Prices, 1986–90:I .....	74
3.6	Indicators of Variability of CPI, 1970–89 .....	77
3.A1	CPI by Originating Industry, 1987–90:I .....	78
3.A2	Mean and Standard Deviation of Changes in the CPI— Tradables and Nontradables, 1986–89 .....	79

### **Chapter 4**    *Employment and Wages*

4.1	Principal Labor Market Indicators, 1981–89 .....	81
4.2	Gross Hourly Wage (Business Sector), 1984–89 .....	83
4.3	Industrial Composition of Employment, 1980–89 .....	86
4.4	Incremental Employment, by Sector, 1970–89 .....	87
4.5	Employment and Labor Input, by Sector, 1984–89 .....	88
4.6	Business Sector Employment and Labor Input, by Industry, 1984–89	89
4.A1	Real Wages per Employee Post, 1985–89 .....	94
4.A2	Israeli Labor Force, Selected Data, 1979–89 .....	95
4.A3	Sources of Growth of Labor Force, 1970–89 .....	96

## **Chapter 5**    *The Public Sector*

5.1	General Government: Receipts, Expenditure, and Deficit, 1980–89 ..	98
5.2	Principal Components of General Government Income and Expenditure, 1980–89 .....	100
5.3	Potential Tax Rate, 1988 and 1989 .....	103
5.4	General Government Expenditure by Type of Intervention, 1980–89 ..	104
5.5	Direct Demand of General Government, 1984–89 .....	105
5.6	Indicators of Defense Expenditure, 1980–89 .....	108
5.7	Local Authorities Receipts and Expenditures, 1980–86 .....	110
5.8	Local Authorities: Selected Indicators, 1980–89 .....	111
5.9	Taxes, Subsidies, and Transfers, 1980–89 .....	113
5.10	Decomposition of the Real Annual Change in Tax Revenue, 1988 and 1989 .....	114
5.11	Transfers and Subsidies as Percent of Taxes, 1980–89 .....	115
5.12	Direct Taxes, Compulsory Loans, and Transfer Payments, 1985–89 ..	116
5.A1	Alternative Estimates of the Domestic Deficit at Full Employment, 1988 and 1989 .....	121
5.B1	Breakdown of Direct General Government Demand, 1984–89 .....	122
5.B2	Indicators of Civilian Public Services, 1980–89 .....	123
5.B3	Central Government Budget, 1983–89 .....	124
5.B4	Indirect Taxes and Subsidies on Domestic Production, 1985–89 ....	125
5.B5	Wages, Taxes, and Disposable Wages per Employee Post, 1986–89 ..	126
5.B6	Taxes and Subsidies on Imports, 1985–89 .....	127

## **Chapter 6**    *The Balance of Payments*

6.1	Selected Balance-of-Payments Indicators, 1977–89 .....	129
6.2	The Exchange Rate, 1985–90 .....	133
6.3	Devaluation and Domestic Price Increase, 1986–89 .....	134
6.4	The Adjusted Current Account, 1968–89 .....	135
6.5	Goods and Services Account, 1986–89 .....	136
6.6	Composition of the Change in the Volume of Exports, 1976–89 ....	138
6.7	Merchandise Exports (f.o.b.), 1986–89 .....	141
6.8	Relative Wholesale Prices, Israel and Trading Partners, 1986–89 ...	142
6.9	Merchandise Imports (c.i.f.) by Economic Destination, 1986–89 ...	145
6.10	Import Taxation, 1980–89 .....	147
6.11	Unilateral Transfers, 1985–89 .....	149
6.12	Composition of Implied Private Capital Imports, 1987–89 .....	151
6.13	Domestic and Foreign Interest Rates, 1987–89 .....	152
6.14	Assets and Liabilities in Foreign Currency, 1985–89 .....	153
6.15	The External Debt Burden, 1985–89 .....	155
6.A1	The Balance of Payments, 1984–89 .....	157
6.A2	The Balance of Payments, by Sector, 1987–89 .....	158

6.A3	Current Balance of Payments with Judea-Samaria and Gaza, 1986-89 .....	159
6.A4	Industrial Exports (f.o.b.), 1986-89 .....	160
6.A5	Services Account, 1986-89 .....	161
6.A6	World Exchange Rates, 1987-89 .....	162
6.A7	Merchandise Trade by Origin and Destination, 1984-89 .....	163
6.A8	U.S. Government Aid, 1985-89 .....	163
6.A9	Long and Medium Term Loans, 1984-89 .....	164
6.A10	Capital Movements of the Private Sector via the Banking System, 1988-89 .....	165
6.A11	Foreign Investment in Israel and Israeli Investment Abroad, 1983-89 .....	166
6.A12	Reserves Held by Central Monetary Institutions, 1980-89 .....	167
6.A13	The Structure of the Net Foreign Debt, 1985-89 .....	168
<b>Chapter 7</b>	<b><i>Money and Capital Markets</i></b>	
7.1	The Principal Monetary Aggregates, 1987-89 .....	170
7.2	Monetary Assets, 1987-89 .....	172
7.3	Selected Interest Rates, 1987-89 .....	173
7.4	Monetary Policy: The Money Base, 1988-89 .....	175
7.5	Monetary Policy: Supply and Demand of Banks for Liquid Assets, 1988-89 .....	176
7.6	Domestic Budget Deficit (Consolidated Balance Sheet of Central Government and Central Bank), 1985-89 .....	183
7.7	Potential and Actual Revenue from Money Creation, 1984-89 .....	185
7.8	Real Cost of Short-Term Credit, 1986-89 .....	188
7.9	Principal Stock Market Indicators, 1987-89 .....	190
7.10	Principal Bond Market Indicators, 1987-89 .....	192
7.A1	Monetary Indicators, 1984-89 .....	193
7.A2	Growth of M3, 1987-89 .....	194
7.A3	The Money Base, 1986-89 .....	195
7.A4	Unindexed Local Currency, 1986-89 .....	196
7.A5	Indexed Deposits of the Public and Its Securities Holdings, 1986-89 .....	197
7.A6	Purchases of M3, 1988-89 .....	198
7.A7	Sources of Change in Unindexed Local-Currency Assets, 1986-89 ...	199
7.A8	Effective Monthly Interest Rates, 1987-March 1990 .....	200
7.A9	Velocity of Demand Deposits and the Monetary Aggregates, 1960-89 .....	202
7.A10	Medium and Long Term Credit to the Public, 1986-89 .....	202

7.A11	Commercial Bank Credit to the Nonfinancial Private Sector, 1988–89 .....	203
7.A12	Local-Currency Credit to the Government, 1986–89 .....	204
7.A13	Estimated Wealth of Private Nonfinancial Sector, 1982–89 .....	205
7.A14	Financial Asset Holdings of the Public, 1988–89 .....	206
7.A15	Change in Financial Asset Holdings of the Public, 1986–89 .....	207
7.A16	Estimated Wealth of Private Nonfinancial Sector, 1986–89 .....	208
7.A17	Net Financial Wealth of the Public (Foreign Currency), 1982–89 ...	210
7.A18	Securities Held by the Public, 1987–89 .....	211
7.A19	Security Issues and Capital Formation Estimate, 1986–89 .....	212
7.A20	Real Overall Rate of Return on Listed Shares, 1986–89 .....	213
7.A21	Real Overall Rate of Return on Listed Securities, 1986–89 .....	214
7.A22	Real Net Yield to Maturity of CPI-Indexed Bonds, 1988–89 .....	215
7.A23	Market Value of Listed Shares and Convertible Securities, 1989 ....	216
7.A24	Mean and Standard Deviation of Selected Rates of Return, 1987–89 .....	216
7.A25	Mutual Fund Operations, 1987–89 .....	217
7.A26	Composition of Social Insurance Fund Portfolio, 1987–89 .....	218
7.A27	Social Insurance Funds: Required and Actual Investment in Government Securities, 1983–89 .....	218
<b>Chapter 8</b>	<b><i>Activities of the Bank of Israel</i></b>	
8.1	Discount Window Lending .....	220
8.2	Interest on Discount Window Loans and Deposits with Central Banks .....	221
8.3	Reserve Requirements on Local-Currency Deposits .....	222
8.4	Open-Market Operations (Treasury Bills), 1985–89 .....	224
8.5	Yield to Maturity of Treasury Bills, by Months to Maturity, 1985–89 .....	225
8.6	Directed Export Credit Funds, 1988–89 .....	227
8.7	Foreign Reserves: Income and Yield, 1985–89 .....	227

## FIGURES

<b>Chapter 2</b>	<b><i>Product, Domestic Demand, and the Principal Industries</i></b>	
2.1	Domestic Use of Resources, GDP, and the Import Surplus, 1980–89	19
2.2	Gross National Saving Rate by Sector, 1960–89 .....	28
2.3	Rate of Saving, Investment, and the Current Account, 1976–89 ....	29
2.4	Housing Starts and the Relative Price of Housing, 1960–89 .....	47
2.5	Apartment Sales (24 towns) and Private Housing Starts, 1985–89 ...	48
2.6	Tourism and Purchasing Power—Europe Relative to America, 1976–89 .....	53

<b>Chapter 3</b>	<b>Prices</b>	
3.1	Rate of Change of Selected Prices, 1986–90:I .....	65
3.2	Rate of Change of Prices of Tradables and Nontradables (CPI), 1986–90 .....	71
3.3	Relative Prices of Tradables, 1981–90 .....	72
<b>Chapter 4</b>	<b>Employment and Wages</b>	
4.1	Migration (percent of <i>de jure</i> population), 1965–89 .....	82
4.2	Real Wages and Employed Persons in the Business Sector, 1983–89..	84
4.3	Labor Force Participation, Employment, and Unemployment, 1980–89 .....	91
<b>Chapter 5</b>	<b>The Public Sector</b>	
5.1	Income, Expenditure, and Budget Deficit or Surplus of General Government, 1984–March 1990 .....	99
5.2	Average Direct Tax Rates on Wages and Nonwage Income, 1980–89 .....	118
5.3	The Composition of Taxes, by Type of Tax, 1980–89 .....	119
<b>Chapter 6</b>	<b>The Balance of Payments</b>	
6.1	The Sheqel Exchange Rate vis-à-vis the Currency Basket and the Dollar, 1985–89 .....	132
6.2	Domestic Use of Resources and the Adjusted Current Account, 1980–89 .....	137
6.3	The Profitability of Industrial Exports, 1980–89 .....	140
6.4	Merchandise Imports, 1981–89 .....	146
6.5	Capital Movements, 1984–89 .....	150
6.6	Ratio of External Debt to Exports and GNP, 1965–89 .....	154
6.7	Foreign Reserves in Terms of Number of Import Months, 1965–89 ...	156
<b>Chapter 7</b>	<b>Money and Capital Markets</b>	
7.1	Nominal Interest Rate and Inflation, 1986–89 .....	171
7.2	Monetary Aggregates, 1986–89 .....	174
7.3	Short-Term Bank Credit, 1986–89 .....	181
7.4	Internal Debt, Government Deficit, and Net Borrowing, 1980–89 ..	186