

Contents

Preface xv
List of symbols xviii

- 1 Introduction 1**
 - 1.1 Economic policy 1
 - 1.2 Economic reality and social preferences 3
 - 1.3 Outline of the text and organisation of the discipline 4
 - 1.4 Summary 6
 - 1.5 Key concepts 6

PART I DEFINING SOCIAL PREFERENCES

- 2 Individual preferences and social preferences 9**
 - 2.1 Welfare economics 9
 - 2.2 Constructing a social ordering 11
 - *2.3 'Information' about individual utilities and interpersonal comparisons 17
 - 2.4 Summary 20
 - 2.5 Key concepts 21
- 3 The Pareto principle and 'new welfare economics' 23**
 - 3.1 Aggregating non-comparable ordinal preferences and the Pareto principle 23
 - 3.2 The limitations of the Pareto principle and the attempt to overcome them: new welfare economics 30

- 3.3 The compensation principle 33
- *3.4 Scitovsky's 'double' criterion 34
- 3.5 Arrow and the impossibility theorem 36
- *3.6 Voting theory 38
- *3.7 Appendix. A formal demonstration of the Pareto efficiency conditions 47
- 3.8 Summary 49
- 3.9 Key concepts 50

4 Theories of justice, social welfare functions and the social optimum 52

- 4.1 The need for a 'theory of justice' 52
- 4.2 Interpersonal comparisons, justice criteria and social welfare functions 53
- 4.3 Choosing the social optimum 58
- 4.4 The utilitarianism of Pigou 59
- *4.5 Rawls' theory of justice 62
- 4.6 Non-welfarist principles of justice 65
- 4.7 Summary 67
- 4.8 Key concepts 68

PART II SOCIAL CHOICES, GOVERNMENT AND THE MARKET

5 Social preferences and institutions 71

- 5.1 The role of the market and government 71
- 5.2 The fundamental theorems of welfare economics 72
- 5.3 The first fundamental theorem 73
- 5.4 The second fundamental theorem 75
- 5.5 Extending the theorems 77
- 5.6 The first theorem as a clarification (of the limits) of the 'invisible hand' 78
- 5.7 Market and government in the light of the second theorem 81
- 5.8 Summary 87
- 5.9 Key concepts 88

6 Market failures: microeconomic aspects 89

- 6.1 Introduction 89
- 6.2 Perfect competition and markets in the real world 89
- 6.3 Incomplete markets and externalities 96
- 6.4 Externalities and the Coase theorem 99
- 6.5 Public goods 106
- *6.6 A formal treatment of public goods 108

- 6.7 Transaction costs and asymmetric information 111
- 6.8 The theory of the second best 114
- 6.9 Income distribution and equity 117
- 6.10 Merit wants 118
- 6.11 Summary 119
- 6.12 Key concepts 121

7 Market failures: macroeconomic aspects 122

- 7.1 The instability of a capitalist market economy 122
- 7.2 Unemployment 125
- 7.3 Inflation 128
- 7.4 The short-run analysis of unemployment and inflation 133
- 7.5 Growth and development 162
- 7.6 Market failure in growth theories 165
- 7.7 Summary 168
- 7.8 Key concepts 170

PART III NORMATIVE AND POSITIVE THEORY OF ECONOMIC POLICY

8 The normative theory of economic policy 175

- 8.1 The government as a rational agent 175
- 8.2 Planning 176
- 8.3 Economic policy objectives 178
- 8.4 The instruments of economic policy 185
- 8.5 The model 188
- 8.6 Limits and extensions of the classical approach 193
- 8.7 The Lucas critique 194
- *8.8 A formal treatment of the Lucas critique 196
- *8.9 Appendix 1. Structural and reduced form models in the case of two targets 197
- *8.10 Appendix 2. The decision model in matrix form 198
- 8.11 Summary 200
- 8.12 Key concepts 201

9 'Non-market' failures: elements of a positive theory of economic policy 203

- 9.1 Representing social groups 203
- 9.2 Agency problems: the objectives of politicians and the political business cycle 206
- 9.3 Agency problems: bureaucracy 210
- 9.4 Social groups, institutions and economic policy 213
- 9.5 Market and 'non-market' failures 214

- 9.6 The process of defining government intervention 217
- 9.7 Summary 218
- 9.8 Key concepts 219

PART IV MICROECONOMIC INTERVENTION

10 Microeconomic policies for efficiency 223

- 10.1 Targets, instruments and models 223
- 10.2 Making the market work: the minimal state 224
- 10.3 Externalities and public policies 225
- * 10.4 A decision model for production efficiency with externalities 229
- * 10.5 Public goods and their financing 230
- 10.6 Market power, regulation and public enterprises 232
- 10.7 Summary 244
- 10.8 Key concepts 246

11 Redistributive policies and optimal taxation 247

- 11.1 Theories of justice and the principles of redistribution 248
- 11.2 Redistribution policies 250
- 11.3 Utilitarianism, ability to pay and optimal taxation 252
- * 11.4 Optimal taxation with private information: incentive-compatible taxes 255
- 11.5 The characteristics of the optimal tax 258
- 11.6 The trade-off between efficiency and equity 259
- 11.7 Optimal commodity taxation 261
- 11.8 Tax incidence 265
- 11.9 Alternative redistribution and income maintenance schemes 266
- 11.10 The welfare state 269
- 11.11 Criticism of redistribution policies, flat-rate taxation and the basic income 272
- 11.12 Summary 274
- 11.13 Key concepts 275

12 Social choice and cost–benefit analysis 276

- 12.1 Choice criteria in private and public projects 276
- 12.2 Identifying the effects of a project 281
- 12.3 Evaluating the effects 282
- 12.4 Shadow prices 285
- 12.5 Valuing non-marketed goods 288
- 12.6 Distribution 291
- 12.7 Uncertainty 292
- 12.8 The theoretical foundations of cost–benefit analysis 293
- * 12.9 Shadow prices in a planning framework 294

- 12.10 Summary 295
- 12.11 Key concepts 297

PART V MACROECONOMIC INTERVENTION IN A CLOSED ECONOMY

- 13 Macroeconomic objectives and monetary policy 301**
 - 13.1 Objectives, instruments and models of macroeconomic policy 301
 - 13.2 The monetary economy 302
 - 13.3 Financial intermediaries 303
 - 13.4 Money as a liability of financial intermediaries 305
 - 13.5 The central bank and monetary base 306
 - 13.6 Banks and deposits 309
 - 13.7 Controlling monetary base and the money supply 315
 - 13.8 (Final) objectives and agents of monetary policy 319
 - 13.9 The operation of monetary policy: indicators and intermediate targets 320
 - 13.10 Considerations on the effectiveness of monetary policy 324
 - 13.11 Summary 326
 - 13.12 Key concepts 327

- 14 Macroeconomic objectives and fiscal policy 329**
 - 14.1 The budget and its components 329
 - 14.2 Income, employment and taxes 331
 - 14.3 Expenditure financing 335
 - 14.4 Public debt 344
 - 14.5 Summary 348
 - 14.6 Key concepts 349

- 15 Incomes and price policies 350**
 - 15.1 Introduction 350
 - 15.2 Income distribution, full cost and incomes policy 350
 - 15.3 Coercion and incomes policies 353
 - 15.4 Statist policies 353
 - 15.5 Market-based policies 355
 - 15.6 Institutional policies 356
 - 15.7 Incomes policy and productivity policies 357
 - 15.8 Incomes policy in the real world 357
 - 15.9 Summary 359
 - 15.10 Key concepts 360

PART VI MACROECONOMIC INTERVENTION IN AN OPEN ECONOMY

16 Monetary systems and exchange rate regimes 363

- 16.1 Balance of payments disequilibria and their causes 363
- 16.2 The balance of payments, the foreign exchange market and the exchange rate 365
- 16.3 The gold standard 368
- 16.4 The gold exchange standard 371
- 16.5 Centrally created reserves 374
- 16.6 Floating exchange rates 375
- 16.7 Fixed versus flexible exchange rates: reflections from experience 377
- 16.8 The European Monetary System 378
- 16.9 International payments imbalances over the last two decades 391
- 16.10 Summary 394
- 16.11 Key concepts 396

17 Balance of payments policies 397

- 17.1 Theory of the balance of payments 397
- 17.2 Balance of payments equilibrium and disequilibrium 400
- 17.3 Automatic adjustment mechanisms 401
- 17.4 Adjustment policies and the causes of disequilibrium 404
- 17.5 Policies for adjustment on capital account 404
- 17.6 Adjustment policies for excess or insufficient demand 407
- 17.7 Policies for competitiveness 408
- 17.8 The controllability of the exchange rate 409
- 17.9 The effectiveness of exchange rate adjustment 409
- 17.10 The asymmetric effects of a variation in the exchange rate 415
- 17.11 Exchange rate variations, subsidies and tariffs 416
- *17.12 Appendix. The optimum tariff 423
- 17.13 Summary 426
- 17.14 Key concepts 427

18 Economic policies in an open economy 428

- 18.1 The Mundell–Fleming model 428
- 18.2 Fiscal and monetary policy under fixed exchange rates 434
- 18.3 Sterilisation under fixed exchange rates 437
- 18.4 Fiscal and monetary policy under floating exchange rates 439
- 18.5 Applying the Mundell–Fleming model to the 1992–3 EMS crisis 443
- 18.6 The limitations of the Mundell–Fleming model and ways to overcome them 447
- *18.7 Exchange rate volatility and overshooting 449
- 18.8 Summary 451
- 18.9 Key concepts 453

**PART VII PROBLEMS OF 'REGIME' IN GOVERNMENT ACTION,
DOMESTIC AND INTERNATIONAL**

- 19 Consistency in public choice** 457
- 19.1 Time inconsistency: fixed rules and discretionary intervention 457
 - 19.2 Consistency and domestic decentralisation: the appropriate assignment of instruments to targets 461
 - * 19.3 A formal analysis of appropriate assignment 464
 - 19.4 Implicit international coordination and the redundancy problem 468
 - 19.5 The case for international coordination 470
 - * 19.6 International coordination in formal terms 472
 - 19.7 Summary 475
 - 19.8 Key concepts 476
- List of references* 477
- Author index* 501
- Subject index* 505