## Contents

1 Role of FDI in Developing Countries: Basic Concepts and Facts ..... 1  
1.1 Introduction .................................................................................. 1  
1.2 Foreign Direct Investment Versus Foreign Portfolio Investment ... 2  
   1.2.1 Foreign Direct Investment .................................................. 2  
   1.2.2 Foreign Portfolio Investment .............................................. 2  
   1.2.3 Differences Between FDI and FPI ................................. 3  
1.3 Modes of FDI ............................................................................. 4  
1.4 Magnitude of FDI ................................................................. 5  
1.5 Types of FDI .............................................................................. 7  
1.6 Determinants of FDI ............................................................... 8  
1.7 Outward Flow of FDI from Developing Countries ............... 10  
1.8 Economic Recession and FDI .................................................. 13  
References ...................................................................................... 14  

2 General Equilibrium Models: Usefulness and Techniques of Application ................................................................. 19  
2.1 Introduction ................................................................................. 19  
2.2 The 2×2 Heckscher–Ohlin–Samuelson Model ....................... 20  
2.3 Comparative Statics ................................................................. 23  
   2.3.1 Effects of Changes in Commodity Prices on Factor Prices ............................................................................. 23  
   2.3.2 Responses of Outputs to Changes in Commodity Prices and Factor Endowments ......................... 25  
2.4 The 2×3 Specific-Factor, Full-Employment Model .................. 27  
   2.4.1 Comparative Statics ............................................................ 29  
2.5 Extensions of 2-Sector, Full-Employment General Equilibrium Model ........................................................................... 33  
   2.5.1 Production Structures with Non-traded Goods ................ 37  
2.6 Measurement of Social Welfare .............................................. 40  
   2.6.1 National Income at World Prices as Measurement of Social Welfare ......................................................... 40  

xiii
5 FDI and Relative Wage Inequality ........................................... 101
  5.1 Introduction ............................................................. 101
  5.2 Three-Sector Model with Labour Market Imperfection .......... 102
    5.2.1 The General Equilibrium ....................................... 105
    5.2.2 FDI and Wage Inequality ....................................... 106
  5.3 FDI and Wage Inequality: Do Factor Intensities Always Matter? 107
    5.3.1 FDI, Wage Inequality and Factor Intensities ............... 107
    5.3.2 FDI and Unemployment of Unskilled Labour ................ 113
    5.3.3 FDI and Wage Inequality in a Fixed Unionized Wage Case 114
    5.3.4 Policy Implications of the Results ......................... 115
  5.4 FDI, Wage Inequality and Non-traded Goods ..................... 115
    5.4.1 A Model with Non-traded Intermediate Input ............... 117
    5.4.2 The Modified System with Non-traded Final Commodity ... 122
    5.4.3 Policy Implications of the Results ......................... 126
Appendices .......................................................................... 127
  Appendix 5.1: Derivation of the Expression for Change in Relative Wage Inequality ................................. 127
  Appendix 5.2: Derivations of Certain Useful Expressions ....... 129
  Appendix 5.3: Effects on Factor and Non-traded Commodity Prices ......................................................... 131
  Appendix 5.4: Derivation of Expression for Relative Wage Inequality ......................................................... 132
  Appendix 5.5: Stability Condition of the Market for Commodity 2 ................................................................. 133
  Appendix 5.6: Effect on X3 .................................................. 134
  Appendix 5.7: Effect on X4 .................................................. 135
References ............................................................................ 136

6 FDI and Gender Wage Inequality ........................................... 139
  6.1 Introduction .................................................................... 139
  6.2 The Model ..................................................................... 142
  6.3 Effects of FDI and Government Policies on Gender Wage Inequality ......................................................... 147
    6.3.1 Effects of Foreign Capital Inflow ............................... 147
    6.3.2 Effects of Increased Public Provision of Education and Health ......................................................... 149
  6.4 Effects of FDI and Government Policies on the Welfare of the Economy ....................................................... 149
    6.4.1 Effects of Foreign Capital Inflow ............................... 150
    6.4.2 Effects of Increased Public Provision of Education and Health ......................................................... 150
  6.5 Policy Implications of the Results ................................. 151
7 FDI and Unemployment
7.1 Introduction ......................................................... 161
7.2 Some of the Theoretical Explanations of Unemployment .......... 162
7.3 FDI in 2-Sector Mobile Capital HT Model ......................... 164
7.4 FDI in a 3-Sector Job Search Model ................................ 167
    7.4.1 The Model .................................................... 169
    7.4.2 FDI, Unemployment and Social Welfare ................. 173
    7.4.3 Policy Implications of Results .......................... 175
7.5 Consequences of FDI on Skilled and Unskilled
    Unemployment ...................................................... 176
    7.5.1 The Model .................................................... 177
    7.5.2 FDI in Agricultural Land and Unemployment
        of Skilled Labour ............................................. 181
7.6 FDI and Unemployment of Unskilled Labour ....................... 186
7.7 Policy Implications of the Results ................................ 187
Appendices .................................................................. 188
    Appendix 7.1: Derivations of Certain Useful Expressions .... 188
    Appendix 7.2: Effects of a Change in \( P_2 \) on Factor Prices and \( \rho \) .................................................. 188
    Appendix 7.3: Effects of a Change in \( K_2 \) on the Price
        of the Non-traded Good ....................................... 189
    Appendix 7.4: Derivations of Static Stability Condition
        in the Market for Good 2 ..................................... 192
    Appendix 7.5: Simplifying Assumptions on Production
        Technologies ...................................................... 193
    Appendix 7.6: Factor Intensity Conditions
        and Algebraic Signs of Certain Useful Expressions ...... 193
    Appendix 7.7: Effects of a Change in \( K_2 \) on Factor
        Prices, \( \rho \) and Output Composition ...................... 195
    Appendix 7.8: Effects of a Change in \( K_2 \) on Urban
        Unemployment .................................................... 196
    Appendix 7.9: Effects of a Change in \( K_2 \) on Social Welfare .. 198
    Appendix 7.10: Proof of \(|D| > 0\) ................................ 203
    Appendix 7.11: Implications of Properties (A) and (B)
        of E(.) Function ................................................ 203
    Appendix 7.12: Proof of Proposition 7.4 ....................... 204
    Appendix 7.13: Proof of Proposition 7.5 ....................... 205
    Appendix 7.14: Proof of Proposition 7.6 ....................... 206
References ............................................................... 207
8 FDI and Child Labour ........................................................................... 211
8.1 Introduction ....................................................................................... 211
8.2 Inflow of Foreign Capital and Reduction in the Incidence of Child Labour ................................................................. 212
  8.2.1 Derivation of Supply Function of Child Labour .......... 215
  8.2.2 The General Equilibrium Analysis .............................................. 217
  8.2.3 Consequences of an Inflow of Foreign Capital .............. 218
8.3 Perverse Effect of FDI Flow on Child Labour and Need for Alternative Policies ............................................................... 219
  8.3.1 The Model ................................................................................. 219
  8.3.2 Household Behaviour and Derivation of Family Supply Function of Child Labour ......................................................... 220
  8.3.3 The General Equilibrium Analysis .............................................. 222
  8.3.4 Comparative Static Exercises ....................................................... 223
8.4 Effects of Foreign Capital Inflow on Child Labour and Welfare of Working Households in a Dynamic Set-Up ......... 231
  8.4.1 Derivation of Family Supply Function of Child Labour ... 232
  8.4.2 The General Equilibrium Analysis .............................................. 234
  8.4.3 Comparative Statics ................................................................. 236
8.5 Concluding Remarks and Policy Analysis ........................................ 239
Appendices ............................................................................................... 240
  Appendix 8.1: (Model 1) Derivation of Child Labour Supply Function ................................................................. 240
  Appendix 8.2: (Model 1) Effects on X₁ and X₂ .................................. 241
  Appendix 8.3: Derivation of Stability Condition in the Market for the Non-traded Input (in Model 1) ......................... 243
  Appendix 8.4: Effect of FDI on P₂ (in Model 1) ............................. 244
  Appendix 8.5: Effect of FDI on Factor Prices, P₂ and X₃ (in Model 1) ................................................................. 244
  Appendix 8.6: (Model 2) Derivations for Obtaining the Expressions for Changes in Output Composition .................. 246
  Appendix 8.7: (Model 2) Derivation of the Stability Condition in the Market for the Non-traded Final Commodity ....... 248
  Appendix 8.8: (Model 2) Derivation of Eq. (8.34.1) ..................... 249
  Appendix 8.9: (Model 2) Derivation of Eqs. (8.35.1) and (8.35.2) ................................................................. 250
  Appendix 8.10: (Model 2) Effects on Child Labour Incidence Under Alternate Factor Intensity Conditions .......... 251
  Appendix 8.11: (Model 3) Derivations for Obtaining Expressions for Effects of FDI on Child Wage, Skilled and Unskilled Wages and Inequality Thereof ........................................ 254
  Appendix 8.12: (Model 3) Effects of FDI on Incidence on Child Labour ................................................................. 257
Appendix 8.13: (Model 3) Effects of FDI on Unemployment of Unskilled Labour ........................................ 257
Appendix 8.14: (Model 3) Effects of FDI on the Welfare of the Child Labour-Supplying Families ........... 258
References ................................................................................................................................. 259

9 FDI in Healthcare .............................................................................................................. 263
9.1 Introduction ...................................................................................................................... 263
9.2 The Model ....................................................................................................................... 265
9.3 Comparative Static Exercises ....................................................................................... 271
  9.3.1 Effects of an Inflow of Capital of Type K ................................................................. 271
  9.3.2 Effects of an Inflow of Foreign Capital of Type N ................................................. 273
9.4 Policy Implications of the Results .............................................................................. 275
Appendices ............................................................................................................................. 276
  Appendix 9.1: Derivations of Certain Useful Expressions ........................................... 276
  Appendix 9.2: Derivation for Change in Welfare .......................................................... 277
References ................................................................................................................................. 286

10 Sketching the Future Research Path of FDI in Developing Countries ......................... 289
10.1 Overview and Policy Implications of Results .......................................................... 289
10.2 Scope for Future Research ......................................................................................... 293
References ................................................................................................................................. 299

Index ........................................................................................................................................ 301