

CONTENTS

TABLES AND FIGURES

PREFACE

I.	INTRODUCTION	1
	Geographical and Historical Setting	1
	Core Aspects of Development	2
	Punjab Agriculture 1906-1946	5
	Partition and Punjab on the Eve of Independence	7
II.	GROWTH OF AGRICULTURAL OUTPUT AND INPUTS	13
	Growth Rates of Output 1950-1979	13
	Land Use and Cropping Intensity	21
	Labour Supply and Labour Use	24
	Capital Stock and its Composition	29
	Factor Proportions, Factor Productivity and Technical Change	37
III.	INFRASTRUCTURE AND THE ROLE OF THE STATE	48
	The Development of Infrastructure	49
	Public Investment in Irrigation	51
	Power Generation and the Agricultural Sector	54
	Rural Credit and Marketing Institutions	56
	Research and Development and Agricultural Support Institutions	58
	Roads and Transport Development	58
	Health and Other Merit Goods	60
	Expansion of Educational Facilities	61
	Public Revenue and Expenditure	61
IV.	DEMOGRAPHIC TRANSITION IN PUNJAB	65
	Economic Growth and Population Change	65
	Trends of Population Change	67
	Fertility, Mortality and Migration	68
	Dependency Ratios and Household Composition	76
	Children in the Labour Force	77
	Educational Characteristics and and Quality of the Labour Force	80
V.	PRODUCT AND FACTOR MARKETS IN RURAL PUNJAB	90
	Product Market and its Integration	90
	Factor Proportions and Scale Economies	92

CONTENTS

	Labour Market and Modes of Employment	97
	Capital Markets; Rural Credit and Farm Size	99
	Fragmentation and Integration of Markets	103
VI.	INCOME DISTRIBUTION, POVERTY AND LEVELS OF LIVING	106
	Growth and Inequality in the Process of Development	106
	Trends in Average Levels of Consumption	113
	Trends in Inequality in Punjab	116
	Trends in Poverty and the Composition of the Rural Poor	121
	Agricultural Growth, Poverty and Inequality in Punjab	126
VII.	GROWTH AND STRUCTURE: EMERGING PATTERNS	133
	Agricultural Growth and Differentiation of the Peasantry	134
	Sectoral Composition of Output and Workforce	142
	Emerging Pattern in the Structure of Punjab Economy	154
VIII.	AGRICULTURE AND THE DEVELOPMENT PROCESS	158
	Contribution of Agriculture to the Development Process	158
	Growth of Agriculture in Punjab (1950-1980) and Japan (1880-1935)	161
	Punjab Growth in an All-India Perspective	166
	Political Economy of Development in Punjab: Some Possible Futures	171
APPENDIX A	Statistical Tables	176
APPENDIX B	Index Numbers of Agricultural Output	181
APPENDIX C	Estimates of Agricultural Capital	183
APPENDIX D	A Note on Poverty Index	188
GLOSSARY		192
BIBLIOGRAPHY		193
INDEX		208