## CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>DECLARATION</td>
<td>1-13</td>
</tr>
<tr>
<td>CERTIFICATE</td>
<td>1</td>
</tr>
<tr>
<td>ACKNOWLEDGEMENT</td>
<td>2</td>
</tr>
<tr>
<td>LIST OF TABLES</td>
<td>3</td>
</tr>
<tr>
<td>LIST OF FIGURES</td>
<td>4</td>
</tr>
<tr>
<td>SCHEME</td>
<td>5</td>
</tr>
<tr>
<td>CHAPTER 1 INTRODUCTION</td>
<td>6</td>
</tr>
<tr>
<td>1.1 The Problem</td>
<td>7</td>
</tr>
<tr>
<td>1.2 Industrialization in India</td>
<td>8</td>
</tr>
<tr>
<td>1.3 Gandhi's Position</td>
<td>9</td>
</tr>
<tr>
<td>1.4 Rationale of the Study</td>
<td>10</td>
</tr>
<tr>
<td>1.5 Objectives of the Study</td>
<td>11</td>
</tr>
<tr>
<td>1.6 Methodology</td>
<td>12</td>
</tr>
<tr>
<td>1.7 Chapterization</td>
<td>13</td>
</tr>
<tr>
<td>1.8 Limitations of the study</td>
<td>14</td>
</tr>
<tr>
<td>1.9 Conclusion</td>
<td>15</td>
</tr>
<tr>
<td>CHAPTER 2 A HISTORICAL ACCOUNT OF INDUSTRIALIZATION IN INDIA AND IN KERALA</td>
<td>16</td>
</tr>
<tr>
<td>2.0 Introduction</td>
<td>17</td>
</tr>
<tr>
<td>2.1 Industrialization in India</td>
<td>18</td>
</tr>
<tr>
<td>2.1.1 Pre-British Period</td>
<td>19</td>
</tr>
<tr>
<td>2.1.2 Evolution of Modern Industry</td>
<td>20</td>
</tr>
</tbody>
</table>
2.1.3 Industrial Policy Evolution 22
2.1.4 Plan-wise Industrial Investment and Growth of Public Enterprise

2.2 Industrialization in Kerala 30
2.2.1 Industrial Development in Travancore 31
2.2.2 Industrial Development in Cochin 37
2.2.3 Industrial Development in Malabar 38
2.2.4 Industrial Development during the Plan Periods 41
2.2.5 Central Sector Investment in Kerala 55
2.2.6 Working Factories and Employment in Kerala 55
2.2.7 Traditional and Small Scale Industries in Kerala 55
2.2.8 Industrial Promotional Agencies 61

2.3 Conclusion 63

CHAPTER 3 ENVIRONMENTAL IMPACT OF DEVELOPMENT 68-116

3.0 Introduction 68

3.1 Catastrophic Consequences of Development 70
3.1.1 Poverty 71
3.1.2 Population and Urbanization 74
3.1.3 Water Supply and Sanitation 77
3.1.4 Vehicular Emission 78
3.1.5 Deforestation 79
3.1.6 Modernization of Agriculture 80
3.1.7 Industrialization 83
3.1.8 Pollution 89
3.1.9 Energy 93
3.1.10 Desertification & Soil Degradation
3.1.11 Acid Rain
3.1.12 Green House Effect and Ozone Layer Depletion
3.2 Beneficiaries of Development
3.3 Sustainable Development
3.4 Conclusion

CHAPTER 4 GANDHIAN CONCEPT OF INDUSTRIALIZATION

4.0 Introduction
4.1 Gandhi's Formative Background
4.2 Gandhi's Concept of Civilization
  4.2.1 India Vs West
  4.2.2 Collapse of Western Civilization
4.3 Ethical Vision of Economics
  4.3.1 Opposition to Machinery
  4.3.2 Mass Production Vs Production by Masses
  4.3.3 Centralization : A Curse of Industrialization
  4.3.4 Significance of Spinning Wheel
  4.3.5 Harmonization of Old and New
4.4 Hind Swaraj : A Gandhian Manifesto
4.5 Gandhi and Environment
  4.5.1 Civilization and Environment
  4.5.2 Simple Living and Environment
  4.5.3 Trusteeship and Environment
  4.5.4 Non-Possession and Environment
  4.5.5 Equal Distribution and Environment
4.5.6 Industrialization and Environment 147
4.5.7 De-Centralization and Environment 148
4.5.8 Urbanization and Environment 149
4.6 Gandhi and Sustainable Development 150
4.7 Conclusion 151

CHAPTER 5 EFFORTS FOR ENVIRONMENTAL PROTECTION 156-201

5.0 Introduction 156
5.1 Global Environmental Movement 156
  5.1.1 Modern Environmentalism and Environmental Movements 158
  5.1.2 United Nations and Environmental Protection 159
  5.1.3 Environmental Protection Pressure Groups 162
5.2 Environmental Movements - India 166
  5.2.1 Environmental Protection Pressure Groups 168
5.3 Environmental Protection and the Government 172
  5.3.1 Programmes and Projects Sponsored by Government 174
  5.3.2 Five Year Plan and Environment 179
  5.3.3 Environmental Protection Laws 184
  5.3.4 Laws and Regulations - Level of Success 188
5.4 Recommendations 194
5.5 Conclusion 197

CHAPTER 6 ANALYSIS OF FIELD DATA 202-270

6.0 Introduction 202
6.1 Attitudes of Management 208