# TABLE OF CONTENTS

**DECLARATION** ................................................................. ii  
**ACKNOWLEDGEMENTS** ........................................................ iii  
**LIST OF TABLES** ............................................................... viii  
**LIST OF FIGURES** ............................................................. xi  
**LIST OF APPENDICES** ........................................................ xii  

**Chapter**

1. **INTRODUCTION**
   1.1 Mizoram: An Introduction ................................................. 1  
   1.2 Education in Mizoram .................................................... 5  
   1.3 Concept of Environment .................................................. 9  
   1.4 Concept of Environmental Awareness ............................... 13  
   1.5 Need and Importance of Environmental Awareness ............... 17  
   1.6 Concept of Environmental Education ............................... 21  
   1.7 Goals and Objectives of Environmental Education ............... 27  
   1.8 The Guiding Principles for Environmental Education Programme ................................................................. 30  
   1.9 Need and Importance of Environmental Education ............... 31  
   1.10 Major Environmental Issues and Problems ....................... 38  
   1.11 Justification of the Study .............................................. 97  
   1.12 Statement of the Problem ............................................. 106  
   1.13 Operational Definitions of Important Terms ................... 107  
   1.14 Delimitations of the Study ........................................... 107  
   1.15 Objectives of the Study ............................................... 108  
   1.16 Statement of Hypotheses .............................................. 108  

2. **REVIEW OF RELATED LITERATURE**
   2.1 Introduction ....................................................................... 111  
   2.2 Studies Conducted in India ............................................. 114  
   2.3 Studies Conducted Abroad ............................................. 127  
   2.4 Conclusion ....................................................................... 130  

iv
III. METHODOLOGY

3.1 Introduction ............................................................. 131
3.2 Population .............................................................. 132
3.3 Sample ................................................................. 135
3.4 Instrument of the Study ............................................. 139
3.5 Development of Environmental Awareness Test (EAT) ........ 140
   3.5.1 Planning the Test .............................................. 140
   3.5.2 Preliminary Draft of the Test ................................. 141
   3.5.3 Pre-testing of the Test ....................................... 144
   3.5.4 Try-out of the Test .......................................... 147
   3.5.5 Item Analysis .................................................. 148
   3.5.6 Final Draft of the Test ...................................... 156
   3.5.7 Reliability of the Test ....................................... 159
   3.5.8 Validity of the Test .......................................... 162
   3.5.9 Administration of the Test .................................. 164
   3.5.10 Statistical Treatment of the Data ......................... 168

IV. ANALYSIS OF DATA

4.1 Introduction ............................................................. 171
4.2 Environmental Awareness Test .................................... 173
4.3 Analysis of the Level of Environmental Awareness amongst the Higher Secondary School Students in Aizawl and Lunglei Districts of Mizoram ............................................... 173
   4.3.1 Level of Environmental Awareness of the Total Sample .............................................. 174
   4.3.2 Level of Environmental Awareness of Different Gender .................................................. 175
   4.3.3 Level of Environmental Awareness of Different Type of School ........................................ 177
   4.3.4 Level of Environmental Awareness of Different Areas ................................................... 179
   4.3.5 Level of Environmental Awareness of Different Streams ................................................. 180
   4.3.6 Level of Environmental Awareness of Different Districts ............................................. 182
4.3.7 Distribution of Environmental Awareness Scores .......... 184
4.3.8 Environmental Awareness Scores of the Total Sample ........................................... 185
4.3.9 Environmental Awareness Scores of the Male Students ........................................... 187
4.3.10 Environmental Awareness Scores of the Female Students ....................................... 189
4.3.11 Environmental Awareness Scores of the Students Studying in Government Schools ............... 191
4.3.12 Environmental Awareness Scores of the Students Studying in Deficit Schools ...................... 193
4.3.13 Environmental Awareness Scores of the Students Studying in Private-Aided Schools ................. 195
4.3.14 Environmental Awareness Scores of the Students Studying in Private-Unaided Schools .............. 197
4.3.15 Environmental Awareness Scores of the Students Coming from the Rural Areas .................. 199
4.3.16 Environmental Awareness Scores of the Students Coming from the Urban Areas ................... 201
4.3.17 Environmental Awareness Scores of the Students Studying in Arts Stream ............................ 203
4.3.18 Environmental Awareness Scores of the Students Studying in Science Stream ...................... 205
4.3.19 Environmental Awareness Scores of the Students Studying in Commerce Stream ...................... 207
4.3.20 Environmental Awareness Scores of the Students Studying in Aizawl District .......................... 209
4.3.21 Environmental Awareness Scores of the Students Studying in Lunglei District .......................... 211

4.4 Comparison of the Level of Environmental Awareness of the Higher Secondary School Students in Aizawl and Lunglei Districts of Mizoram ........................................... 213
4.4.1 Gender-wise Comparison of the Level of Environmental Awareness ......................................... 214
4.4.2 Type of School-wise Comparison of the Level of Environmental Awareness ............................... 215
4.4.3 Area-wise Comparison of the Level of Environmental Awareness ............................................. 221
4.4.4 Stream-wise Comparison of the Level of Environmental Awareness ......................................... 222
4.5 Comparison of the Level of Environmental Awareness between the Higher Secondary School Students in Aizawl District and Lunglei District of Mizoram ........................................... 225
4.6 Mean Environmental Awareness Scores of the Different Groups ............................................................................. 226
4.7 Reliability of Environmental Awareness Test .................................. 227
4.8 Validity of Environmental Awareness Test ................................. 228
4.9 Conclusion ............................................................................. 228

V. MAJOR FINDINGS

5.1 Introduction ............................................................................. 229
5.2 Statement of the Problem ........................................................... 229
5.3 Operational Definitions of Important Terms ................................. 229
5.4 Objectives of the Study ............................................................... 230
5.5 Statement of Hypotheses ............................................................. 230
5.6 Population ............................................................................... 232
5.7 Sample .................................................................................... 233
5.8 Instrument of the Study ............................................................... 233
5.9 Delimitations of the Study ............................................................ 233
5.10 Statistical Treatment of the Data ................................................ 234
5.11 Major Findings of the Study ....................................................... 235

VI. DISCUSSION, SUGGESTIONS AND CONCLUSION

6.1 Discussion of the Results ............................................................. 244
6.2 Implications of the Study ............................................................. 250
6.3 Limitations of the Study ............................................................. 253
6.4 Recommendations ................................................................. 253
6.5 Suggestions for Further Research ............................................. 255
6.6 Conclusion .............................................................................. 256

BIBLIOGRAPHY ........................................................................... 260