# CONTENTS

<table>
<thead>
<tr>
<th>List of Tables</th>
<th>(ix)</th>
</tr>
</thead>
<tbody>
<tr>
<td>List of Figures</td>
<td>(xxv)</td>
</tr>
<tr>
<td>List of Maps</td>
<td>(xxvii)</td>
</tr>
<tr>
<td>List of Abbreviations</td>
<td>(xxviii)</td>
</tr>
</tbody>
</table>

## Chapter

### INTRODUCTION

1 - 28

- Meaning of Education
- Purposes of Education
- Aims of Education in Democratic India
- Secondary Education
- Objectives of Secondary Education
- Curriculum
- Science Education
- Importance of Science Education
- Science Education in Independent India
- Teaching Science
- Infrastructure of the Laboratory
- Science Library
- Science Text book
- Science Teacher
- Techniques of Teaching Science
- Evaluation
- Techniques of Evaluation
- Significance of Evaluation
- Conclusion
## REVIEW OF RELATED LITERATURE

- Study of Related Literature
- Studies on Syllabus Analysis
- Studies on Textbook Analysis
- Studies on Availability of Facilities in Laboratory
- Studies on Analysis of Question Papers
- Analogy of Related Studies

## PLAN AND PROCEDURE

- Reasons for the study
- Statement of the problem
- Definition of the terms
- General objectives
- Specific objectives
- Hypotheses
- Preliminary study
- Pilot study
- Procedure of data collection
- Area selected for study
- Sample
- Tools
- Statistical Techniques Employed for Analysis
- Delimitations

## ANALYSIS AND INTERPRETATIONS OF DATA

- Analysis of Eleventh and Twelfth Standard Zoology Syllabus
- Analysis of Eleventh and Twelfth Standard Zoology Textbook
Size and Availability of Facilities in Zoology Laboratory
Techniques of Teaching Zoology
Organisation of Zoology Practicals
Analysis of Eleventh and Twelfth Standard Zoology Question papers

FINDINGS AND CONCLUSIONS 322-351
Findings
Conclusions
Recommendations
Suggestions for further research

BIBLIOGRAPHY 352-356
Books
Periodicals
Unpublished Dissertations
Reports

APPENDICES 357
I. Questionnaire (English)
II. Check List
III. Eleventh Standard Zoology Syllabus
IV. Twelfth Standard Zoology Syllabus
V. Eleventh and Twelfth Standard Zoology Public Examination Question Papers