# INDEX

**ACKNOWLEDGEMENT**  
**LIST OF TABLES**  
**LIST OF FIGURES**

## CHAPTER

### I  INTRODUCTION  
1.0 Introduction  
1.1 Importance of Creativity in Education  
1.2 National Exigency for Creative Thinking  
1.3 Trends in Creative Thinking Ability  
1.4 Developmental Trends of Creativity  
1.5 Need of the Present Study  
1.6 Scope of the Study  
1.7 The Intellectual Theory  
1.8 Problem of the Study  
1.9 Definitions of Some of the Terms  
1.10 Objectives of the Study  
1.11 Limitations of the Study  
1.12 The Scheme of Chapterization

### II  REVIEW OF THE PAST STUDIES  
2.0 Introduction  
2.1 Measurement of Creativity:  
   2.1.1 Methods of Measuring Creativity in Early Childhood Period
2.1.2 Methods of Measuring Creativity During the Childhood Period

2.1.3 Methods of Measuring Creativity at Adolescent Period

2.1.4 Methods of Measuring Creativity in Adulthood Period

2.2 Studies

III PLANNING OF THE PRESENT SCALE

3.0 Introduction

3.1 Need of the Tool

3.2 Construction of the Creative Thinking Ability Test (C.T.A.)

3.3 Test Items

3.4 Experimental Try-out of the Test

3.5 Try-out Form of the Test

3.6 Try-out

3.7 Item Analysis

3.8 Selection of Items

3.9 Observations

IV FINAL RUN OF THE TEST

4.0 Introduction

4.1 Time Allowance
<table>
<thead>
<tr>
<th>Chapter</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>IV</td>
<td>Sampling</td>
<td>42</td>
</tr>
<tr>
<td></td>
<td>Administration of the Test</td>
<td>43</td>
</tr>
<tr>
<td></td>
<td>Scoring of the Test</td>
<td>44</td>
</tr>
<tr>
<td></td>
<td>Scoring Scheme of the Test</td>
<td>45</td>
</tr>
<tr>
<td></td>
<td>Establishment of Norms</td>
<td>46</td>
</tr>
<tr>
<td></td>
<td>Percentile Norms</td>
<td>47</td>
</tr>
<tr>
<td></td>
<td>Comparison of Histogram of Fitting Normal Curve</td>
<td>48</td>
</tr>
<tr>
<td></td>
<td>Kurtosis</td>
<td>49</td>
</tr>
<tr>
<td>V</td>
<td>RELIABILITY AND VALIDITY</td>
<td>108</td>
</tr>
<tr>
<td></td>
<td>Introduction</td>
<td>5.0</td>
</tr>
<tr>
<td></td>
<td>Concept of Validity</td>
<td>5.1</td>
</tr>
<tr>
<td></td>
<td>Methods of Estimating Reliability</td>
<td>5.2</td>
</tr>
<tr>
<td></td>
<td>Test-Rest, Split-Half, Rulon, Flanagan</td>
<td>5.2</td>
</tr>
<tr>
<td></td>
<td>Dependability of 'r'</td>
<td>5.3</td>
</tr>
<tr>
<td></td>
<td>Comparison of the Reliability of the Present Test with some other C.T.A. Tests</td>
<td>5.4</td>
</tr>
<tr>
<td></td>
<td>The Concept of Validity</td>
<td>5.5</td>
</tr>
<tr>
<td></td>
<td>The Methods of Determining Validity: Construct, Congruent, Concurrent, Factorial</td>
<td>5.6</td>
</tr>
<tr>
<td></td>
<td>Factorial Validity of the Test</td>
<td>5.7</td>
</tr>
<tr>
<td>VI</td>
<td>STUDIES RELATED TO CREATIVE THINKING ABILITY</td>
<td>154</td>
</tr>
<tr>
<td></td>
<td>Introduction: Studies Already Conducted</td>
<td>6.1</td>
</tr>
<tr>
<td></td>
<td>Socio-Economic Status and C.T.A.</td>
<td>6.2</td>
</tr>
</tbody>
</table>
CHAPTER

6.3 C.T.A. and n.Ach
6.4 C.T.A. and I.Q.
6.5 C.T.A. and Parental Behaviour
6.6 C.T.A. and Anxiety
6.7 C.T.A. and Security Vs Insecurity
6.8 C.T.A. and Radicalism Vs Conservatism
6.9 C.T.A. and Flexibility Vs Rigidity
6.10 C.T.A. and Suggestibility
6.11 C.T.A. and Emotional Stability

VII OBSERVATIONS AND SUGGESTIONS

7.0 Introduction
7.1 Observations
7.2 Conclusions : Reliability, Validity and Norms of the Scale
7.3 Related Studies
   7.3.1 S.E.S. and C.T.A.
   7.3.2 n.Ach and C.T.A.
   7.3.3 I.Q. and C.T.A.
   7.3.4 Parental Behaviour and C.T.A.
   7.3.5 Anxiety and C.T.A.
   7.3.6 Security Vs Insecurity and C.T.A.
   7.3.7 Radicalism Vs Conservatism and C.T.A.
   7.3.8 Flexibility Vs Rigidity and C.T.A.
7.3.9 Suggestibility and C.T.A.
7.3.10 Emotional Stability and C.T.A.
7.4 Suggestions for Further Researches

BIBLIOGRAPHY

APPENDICES:

1. Appendix A: Creative Thinking Ability Test (C.T.A.)
2. Appendix B: Scoring Scheme of the C.T.A. Test
3. Appendix C: Self-Done Activity Rating Scale
4. Appendix D: Torrance Test of Creative Thinking
5. Appendix E: Socio-Economic Status Scale
6. Appendix F: Thematic Apperceptive Test (T.A.T.)
   along with answer book
7. Appendix G: General Ability Test
8. Appendix H: Children's Report of Parental Behaviour
   Inventory (CRPBI)
9. Appendix I: Anxiety Scale for Children (ASC)
10. Appendix J: Security Insecurity Inventory (SII)
11. Appendix K: Personality Inventory
    (i) $K_1$: Radicalism Vs Conservatism
    (ii) $K_2$: Flexibility Vs Rigidity
    (iii) $K_3$: Suggestibility
    (iv) $K_4$: Emotional stability