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APPENDIX

3.19. Table showing the obtained chi-square $\chi^2$ values of 40 items.

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Area -- 1</th>
<th>Area--2</th>
<th>Area--3</th>
<th>Area -- 4</th>
</tr>
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<tbody>
<tr>
<td>1.</td>
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<td>121.77</td>
<td>40.27</td>
<td>64.27</td>
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<tr>
<td>2.</td>
<td>21</td>
<td>120</td>
<td>41.5</td>
<td>88.13</td>
</tr>
</tbody>
</table>
After the establishment of the strength of the multiple choice statements included in the attitude scale through chi square test, the responses on the 40 items are qualified duly assigning the numerical values 5, 4, 3, 2, 1 to a, b, c, d, and e, respectively in the case of positive statements and in the reverse order in the case of negative statements. All the 110 attitude scales are scored by giving the above scoring for further statistical treatment. The obtained scoring is shown in the table.

Tables showing the Difficulty Index and Validity Index of the 40 items for each component in the 4 hidden values.

### 3.15.1 Food & Nutritive Value

<table>
<thead>
<tr>
<th>Q.No.</th>
<th>Po</th>
<th>R</th>
<th>W</th>
<th>N</th>
<th>HR</th>
<th>K</th>
<th>DI</th>
<th>VI</th>
</tr>
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<td>64</td>
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<td>0.47</td>
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<td>2</td>
<td>44</td>
<td>48</td>
<td>62</td>
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<td>3</td>
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<td>65</td>
<td>45</td>
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<td>0.47</td>
<td>15</td>
</tr>
</tbody>
</table>
The Difficulty Index and Validity Index values show that all the 10 items are valid in the food and nutritive value. So all these 10 items are continued in the Attitude Scale for administration.

### 3.15.2 Health and Hygienic Value

<table>
<thead>
<tr>
<th>Q.No.</th>
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<th>R</th>
<th>W</th>
<th>N</th>
<th>HR</th>
<th>K</th>
<th>DI</th>
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<th>% of rights in the bottom 27%</th>
<th>Validity Index</th>
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<td>0.22</td>
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</tbody>
</table>
The DI and VI show that all the 10 items are valid in the health and hygienic value. So all these 10 items are continued in the Attitude Scale for final administration.

### 3.15.3 Medicinal Value

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<th>Validity Index</th>
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</table>
The Difficulty Index and Validity Index values show that all the 10 items are valid in the medicinal value. So all these 10 items are continued in the Attitude Scale for final administration.

3.15.4 Environmental Value

<table>
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</table>
The Difficulty Index and Validity Index values show that all the 10 items are valid in the environmental value. So all these 10 items are continued in the Attitude Scale for final administration.

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</tbody>
</table>

Attitude Scale

Name of the student : -
Class:-
Name of the School:-
Rural Urban:-
Mandal:-
District:-
Write the letter of the choice you choose. Answer all the questions.

Note:- Each statement in the attitude scale is given five alternatives a, b, c, d, and e, and were asked to encircle or to write the appropriate symbol in accordance with their agreement.

In all the tools, the following weight – ages are given, for 4 values,

5 – Maximum extent
4 – Greater extent
3 – Moderate
2 – Low
1 – Very low