APPENDIX-B

THE EXPERT QUESTIONNAIRE

Sri T. Das,
Lecturer in Education,
Government Training College,
Balangir.

D.O.No. /Dated,

Dear Sir,

The investigator appraises the primary school science curriculum of Orissa for his Ph.D. Degree in Education under Sambalpur University, Orissa. For this stated purpose a questionnaire has been prepared and a copy is attached herewith. I shall be very grateful to you for filling it up and sending it to me by 20.8.83.

With regards,

Enc: As stated. Yours sincerely,

Sd/-
(T. DAS)

To:
Dr./Mr./Mrs./Miss .......
Address ...................

.............

.............
HINTS

1. The investigator needs to evaluate the Primary School Science curriculum of Orissa for preparing his Ph.D. Thesis.

2. Primary School Science Curriculum means Science Curriculum of Class III to Class V for the year 1981-82 in Orissa.

3. You are requested to cooperate with the investigator providing him with honest and essential information.

4. Please follow directions given in each question.

5. If extra space is necessary please use additional paper for this purpose.

6. This questionnaire will be kept strictly confidential.

7. Please refer Primary School Science text books for subtopics and smaller concepts.

(QUESTIONS)

1. A table is presented below. Please show comparative importance of six primary school subjects in respect of cognitive (knowledge), Affective (attitudes) and Psychomotor (Skill) aspects. Please write 1, 2, 3 ... etc. For 1st, 2nd and 3rd ..... respectively in the columns of the table in the blank spaces.

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Cognitive</th>
<th>Affective</th>
<th>Psychomotor</th>
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<tbody>
<tr>
<td>Orissa</td>
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<td>Arithmetic</td>
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<td>English</td>
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<td>Social Studies</td>
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<td>Natural Science</td>
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<td>Drawing</td>
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</table>

2. What are the aims of teaching science in the Primary School Classes?
3. Is the scope of each Unit
(a) more than adequate or
(b) adequate or
(c) less than adequate?
(i) If the answer is (a) (more than adequate) name the
Units and state topics to be deleted.
(ii) If the answer is (c) (less than adequate) name the
Units and state the topics to be included.

4. Do you think that the scope of each topic is
(a) more than adequate or
(b) adequate or
(c) less than adequate?
(i) If the answer is (a) (more than adequate) state the
topics and mention subtopics to be deleted.
(ii) If the answer is (c) (less than adequate) state the
topics and mention additional subtopics to be included.

5. Is the scope of each subtopic
(a) adequate or
(b) less than adequate or
(c) more than adequate?
(i) If the answer is (b) name the subtopics and state their
aspects of inclusion.
(ii) If the answer is (c) name the subtopics and state their
aspects of deletion.

6. Are the captions of Units, Topics and subtopics
appropriate? Yes/No.
If the answer is negative what would be the appropriate
ones?

7. A list of branches of Science is presented below. Please
state the order of teaching these branches stating 1st
as 1, 2nd as 2 .. etc. in the parentheses written against
branches.

(a) Astronomy
(b) Geology
(c) Chemistry
(d) Physics
(e) Botany
(f) Zoology
(g) Physiology
(h) Hygiene
8. Do you think that the present order of arrangement of topics within the units is alright? Yes/No.

If your answer is negative state the units and mention your own order of arrangement.

9. Is there a proper and sequential internal arrangement of subtopics within a topic? Yes/No.

If not what would be the arrangement of subtopics within a topic?

10. A list of aspects of "knowledge" is presented below. Please state which aspects are to be chosen for the Primary School Science Syllabus considering pupils' mental growth.

   Please give a tick mark (✓) in the bracket provided against each aspect for affirmation and a cross (✗) for negation.

   (a) Terms
   (b) Facts
   (c) Conventions
   (d) Trends
   (e) Sequences
   (f) Classifications
   (g) Criteria
   (h) Methodology
   (i) Principles
   (j) Generalisations
   (k) Theories

11. Is the selection of units adequate considering classification of science as space Sciences, Earth Sciences, Physical Sciences and Biological Sciences? Yes/No.

   If the reply is negative please give names of more units with topics and subtopics.

12. Do the topics have relevance to the needs of Orissa? Yes/No.

   If the answer is negative please give a list of topics which are irrelevant.

13. Are the pupils mature enough to grasp the materials of the Syllabus? Yes/No.

   If not give a list of topics for deletion.

14. Please state what are the suitable methods of teaching environmental sciences in primary classes.

15. A list of objectives is given below from the Taxonomy of Educational Objectives for the purpose of evaluation. Please give your choice for selection of objectives for primary classes.
Please give a (tickmark) in the bracket for affirmation and a X (cross) in the bracket for negation.

(a) Recognition
(b) Recall
(c) Comprehension
(d) Application
(e) Analysis
(f) Synthesis
(g) Evaluation
(h) Interest
(i) Appreciation
(j) Attitudes
(k) Drawing Skills
(l) Experimental skills

16. Please indicate the weightage that should be accorded to the following items of evaluation in terms of %

(a) Cognitive Objectives: %
   Affective Objectives: %
   Skill Objectives: %
   Total: 100%

(b) Essay type Questions: %
   Short answer type questions: %
   Objective type test-items: %
   Total: 100%

(c) Annual Examination: %
   First Terminal Examination: %
   Quarterly Examination: %
   Monthly Examination: %
   Daily Examination: %
   Total: 100%

(d) Space Sciences: %
   Earth Sciences: %
   Physical Sciences: %
   Life Sciences: %
   Total: 100%

17. Please give your own suggestions for the improvement of the Primary School Science curriculum.

Signature
Date