APPENDIX-E

Annual Examination, 1983.

Class-III
Subject- Science

1. Answer any two of the following 10
   (a) What will be done to prevent mosquitoes at home?
   (b) What are the types of foods? Which food helps in growth?
   (c) What will be done to prevent house flies at home?
   (d) What do you understand by 'Watercycle'?

2. Fill up the gaps selecting right words from the brackets. 5
   (a) Matter has ---- states (One, 2, 3).
   (b) ---- dissolves in Kerosine (common salt, wax, sugar).
   (c) A solution is prepared if ---- is mixed with water (flour, Sugar).
   (d) ---- prepares food for the plants (flowers, fruits, leaves, roots).
   (e) ---- work together (snakes, cramps, ants, tigers).
   (f) Carbohydrates supply ---- to us (play, work, energy).
   (g) Saves us from diseases (Vitamins, carbohydrates).

3. Write full sentences, combining words, from Section-A with words of section-B 5

<table>
<thead>
<tr>
<th>Section-A</th>
<th>Section-B</th>
</tr>
</thead>
<tbody>
<tr>
<td>From flower</td>
<td>Fruit</td>
</tr>
<tr>
<td>Plant</td>
<td>Lion</td>
</tr>
<tr>
<td>Other's hole</td>
<td>Insect</td>
</tr>
<tr>
<td>Plants and animals</td>
<td>Nursery</td>
</tr>
<tr>
<td>Carnivorous</td>
<td>Snake</td>
</tr>
</tbody>
</table>

4. Fill up the gaps (Any five) 5
   (a) Dal is ---- type of food.
   (b) Fullmoon is seen of ---- day.
   (c) The sunrises in ---- direction.
   (d) ---- ruminates.
   (e) Ice is the ---- state of water.
   (f) ---- stars are present in the Great Bear.
Annual Examination-1983 B
Class-IV
Science
Time- 2 hours Full Marks- 100

1. Answer:-
   (a) How many planets are revolving around the Sun?
   (b) Which members do constitute the solar system?
   (c) How can we see the moon?
   (d) How are the winter and summer caused?
   (e) Why is the tubewell water pure?
   (f) How is water polluted?
   (g) What is needed to do work?
   (h) What is energy?

2. Give reasons:-
   (a) Why is the earth revolving around the Sun?
   (b) One feels uneasy to wear woolen dress during the summer.
   (c) Dispersal of seeds is necessary for growth of plants.
   (d) Wet clothes get dried sooner in winter than the rainy season.
   (e) Soil erosion is fast in the open field.

3. Fill up the gaps:-
   (a) Planets revolve due to the Sun's ------.
   (b) Seasons change due to the Earth's------.
   (c) Water gets vapourised quickly if air is ------.
   (d) Water wheel moves by -------.
   (e) One should wear ------ dress during the summer.
   (f) Weather changes due to -------.
   (g) Water is converted into ----- if cooled more.
   (h) Water is polluted if if ------ mixes with it.

4. Give a tick mark against the right statement and cross mark against the wrong statements:-
   (a) Skin is a type of nerve.
   (b) We sense taste by the tongue.
   (c) Mineral salts are found, in the silt soil.
   (d) Clay and sand are in equal proportion in the clay soil.
   (e) The colour of the subsoil is black.
   (f) Melting of ice is a chemical change.
   (g) Sugar is separated from supersaturated solution of sugar by crystallisation.
(h) Water level rises if 2 to 3 spoons of sugar is added and stirred.
(i) Particles and molecules of potash do not dissolve in water.
(j) Intermolecular space among molecules of gaseous substance is maximum.

5. Match items of column-A with those of column-B.

<table>
<thead>
<tr>
<th>Column-A</th>
<th>Column-B</th>
</tr>
</thead>
<tbody>
<tr>
<td>red</td>
<td>rubbing with lemon juice and washing with cold water.</td>
</tr>
<tr>
<td>stain of turmeric</td>
<td>only drying in sunlight</td>
</tr>
<tr>
<td>root</td>
<td>soaks water and salt from soil</td>
</tr>
<tr>
<td>stem</td>
<td>holds tree strongly</td>
</tr>
<tr>
<td>leaf</td>
<td>prepares food for plants</td>
</tr>
<tr>
<td>fruit</td>
<td>seed is inside</td>
</tr>
<tr>
<td>Uses in work</td>
<td>organs</td>
</tr>
<tr>
<td>environment</td>
<td>spoilage of foods</td>
</tr>
<tr>
<td>twinkling</td>
<td>if there is fever</td>
</tr>
<tr>
<td>house fly and dust</td>
<td>food stuffs.</td>
</tr>
</tbody>
</table>

6. Write short notes on any three:

(a) Electro magnet
(b) Water wheel
(c) Dynamo
(d) Magnifying glass.
Fill up the blanks selecting right words from the bracket. 10

(a) Lunar eclipse occurs on --- day.  
   (fullmoon, new moon, eleventh day)

(b) Solar eclipse occurs of --- stays between the sun and the earth (Mercury, Moon, Mars).

(c) ------- water is the best drinking water.  
   (rain, pond, river, well)

(d) ------- is a chemical disinfectant.  
   (lime, D.D.T., gamaxin)

(e) Scissors are examples of ------- .  
   (wedge, lever, inclined plane)

(f) ------- is a product of petroleum.  
   (benzene, ammonia, napthalene)

(g) The weight of onethousand cubic centimeter water is ----.  
   (one gram, one kilogram, one millilitre)

(h) Fish changes direction ---- while swimming in water.  
   (fin, tail, gill, moustache)

(i) ---- of animals and ---- of plants are mutually helping activities (reproduction, respiration, irritability and food preparation).

2. Match items of column-A with items of column-B and frame sentences using each pairs. 8

<table>
<thead>
<tr>
<th>Column-A</th>
<th>Column-B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mercury</td>
<td>gives steady light</td>
</tr>
<tr>
<td>Pluto</td>
<td>seasons change</td>
</tr>
<tr>
<td>due to rotation of the earth</td>
<td>the nearest planet of the Sun</td>
</tr>
<tr>
<td>due to revolution of the earth</td>
<td>the farthest planet of the Sun.</td>
</tr>
<tr>
<td>there are day and night</td>
<td></td>
</tr>
</tbody>
</table>

3. Write short notes. (any three) 15
   water cycle, specific gravity, lever, photosynthesis, hail.
4. Write scientific reasons of each of the following incidents:—

(a) The sun rays are scorching during midday than the morning.
(b) Soil erodes gradually.
(c) Wet clothes get dried more quickly in winter than the rainy season.
(d) Lime water turns milky if it is kept outside.
(e) The seeds which are kept in dry place do not germinate.

5. Give short answers of the following questions:— (any of three)

(a) Arrange planets in order of their distance from the sun.
(b) Write three fertilizers and describe their functions.
(c) What are the functions of levers?
(d) How do plants prepare food?
(e) What is infectious disease? What are its types?

6. Explain how seasons change.

or

Write briefly the causes of soil erosion.

7. What are the minerals in the earth's crusts? What are their uses?

or

What are the types of joints in your body? How do they help you?