



# Zonal Education Office - Jaffna.

## Third Term Examination - 2011

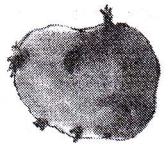



### SCIENCE

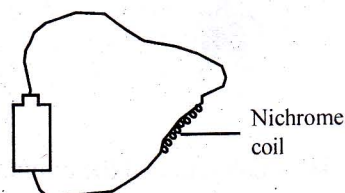
Grade - 06 Time: - 2 hours

### Part - I

Answer the all questions.

◆ **Underline most appropriate answer.**

01. An instrument that is used to see the distant object closely.  
 1. Microscope      2. Concave mirror      3. Telescope      4. Convex lens
02. Which is not considered as matter?  
 1. stone      2. Air      3. Water      4. Heat
03. The occurrence that relates with activity of man is,  
 1. Destruction of forest      2. Germination of mushroom  
 3. Spoilage of food      4. Blooming of flowers.
04. When we measure the temperature of water after heating, what should be considered?  
 a) Keeping the thermometer erect into the water.  
 b) Keeping the thermometer so that the bulb touches the surface of the water.  
 c) Measure the reading of thermometer as keep the eye straight to mercury level.  
 Which of the above statements is/are correct?  
 1. only a      2. only c      3. a and b are correct      4. a and c are correct
05. A common feature of organisms is,  
 1. photosynthesis      2. movement      3. locomotion      4. Transpiration.
06. Which of the following environment is suitable for the organism, having fills for respiration?  
 1. Land environment      2. Soil environment      3. Aquatic environment      4. Arboreal environment.
07. Plant that stores food in root is,  
 1.       2.       3.       4. 
08. The energy transformation takes place here is,  
 1. chemical energy → electric energy → kinetic energy  
 2. Chemical energy → electric energy → heat energy  
 3. Light energy → electric energy → heat energy  
 4. chemical energy → electric energy → magnetic energy



09. Reason for making laboratory apparatus by glass is,

- |                          |                       |
|--------------------------|-----------------------|
| 1. As beautiful          | 2. As hardness        |
| 3. As transparent nature | 4. As smooth surface. |

10. The reason for the formation of day and night is,

- |                      |                        |
|----------------------|------------------------|
| 1. Motion of planet  | 2. Revolution of earth |
| 3. Rotation of earth | 4. Revolution of moon. |

11. A method used to prevent rusting in barbed wires is,

- |                          |                          |
|--------------------------|--------------------------|
| 1. Plating with chromium | 2. covering with plastic |
| 3. Galvanizing           | 4. painting              |

12. The Packing material for electrical equipments is,

- |          |            |                |           |
|----------|------------|----------------|-----------|
| 1. Paper | 2. Plastic | 3. polystyrene | 4. fibres |
|----------|------------|----------------|-----------|

13. An activity of man that is not suitable to the environment is,

- |                   |                                       |
|-------------------|---------------------------------------|
| 1. Planting trees | 2. Making compost.                    |
| 3. Reforestation  | 4. Using chemical fertilizers mostly. |

14. Natural disaster that made leakage of atomic wave in Japan.

- |        |            |                |            |
|--------|------------|----------------|------------|
| 1. Flu | 2. Tsunami | 3. Earth slide | 4. Volcano |
|--------|------------|----------------|------------|

15. Boiling temperature of water is,

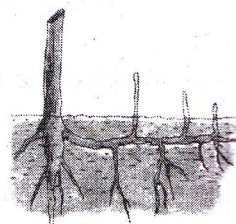
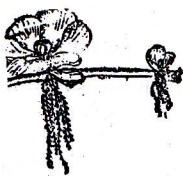
- |         |        |          |          |
|---------|--------|----------|----------|
| 1. 60°C | 2. 0°C | 3. 100°C | 4. 110°C |
|---------|--------|----------|----------|

16. Which is the solid state of water?

- |                |          |             |               |
|----------------|----------|-------------|---------------|
| 1. Water vapor | 2. cloud | 3. Ice cube | 4. water drop |
|----------------|----------|-------------|---------------|

17. Plant that is found in xerophytic environment is,

- |    |    |    |    |
|----|----|----|----|
| 1. | 2. | 3. | 4. |
|----|----|----|----|



18. Group of animal that shows great diversity is,

- |            |           |            |          |
|------------|-----------|------------|----------|
| 1. Reptile | 2. Insect | 3. Mammals | 4. Birds |
|------------|-----------|------------|----------|

19. An example for under ground stem is,

- |    |    |    |    |
|----|----|----|----|
| 1. | 2. | 3. | 4. |
|----|----|----|----|



20. How can you call the event where that the shadow of the earth falls on the moon and makes it disappear?

- |                  |            |                  |                   |
|------------------|------------|------------------|-------------------|
| 1. Solar eclipse | 2. Eclipse | 3. Lunar eclipse | 4. Phases of moon |
|------------------|------------|------------------|-------------------|

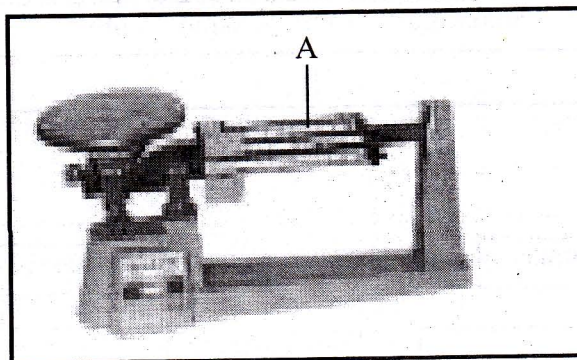
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## Part II

Answer question one and any other four questions.

01. An instrument, that was used in a practical group activity is given to you. Recollect the information that was given by the teacher during discussion. Based on your experiences during that activity, answer the following questions.



1. What should be considered before using this instrument?  
 1.....  
 2..... (2 Marks)
2. Which is the fundamental measurement that can be measured by the given instrument.  
 ..... (2 Marks)
3. Mention 2 problems that can be faced during usage of this instrument?  
 1.....  
 2..... (2 Marks)
4. How do you over come those problems. Give 2 suggestions.  
 1.....  
 2..... (2 Marks)
5. Write an advantage of using this instrument?  
 ..... (2 Marks)
6. What is the international unit of mass?  
 ..... (2 Marks)
7. Mention the reason for the grooves found in A.  
 ..... (2 Marks)
8. Write 2 advantages that can be gained by you during this group activity?  
 1.....  
 2..... (2 Marks)

02. Plant diversity is a gift of natural environment. Plant parts such as flower, fruit, root and stem also show diversity. Various plants live in various environment.

A) 1. Mention 2 problems that are faced by plants living in coastal environment.

- 1.....  
 2..... (2 Marks)
2. Name 2 plants that grow in that environment.  
 1..... 2..... (1 Marks)

3. Write a feature of plant that grows in that environment.

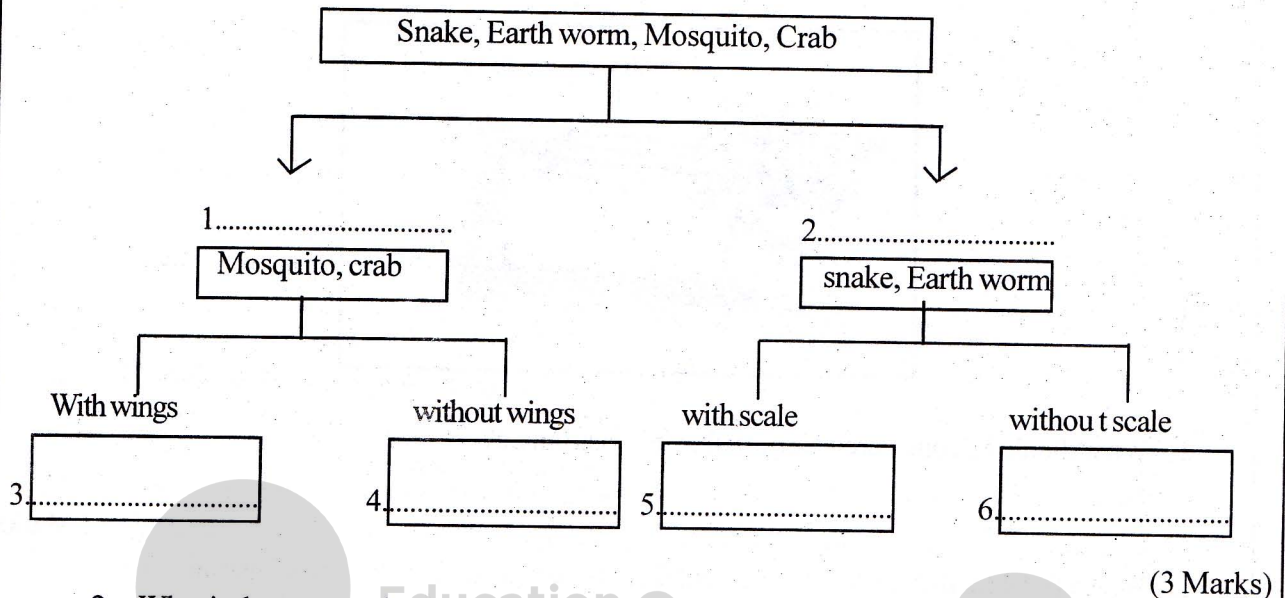
..... (1 Marks)

4. Name 2 plants that store food in their roots?

1.....2..... (2 Marks)

B) Complete the following dichotomous key

1.



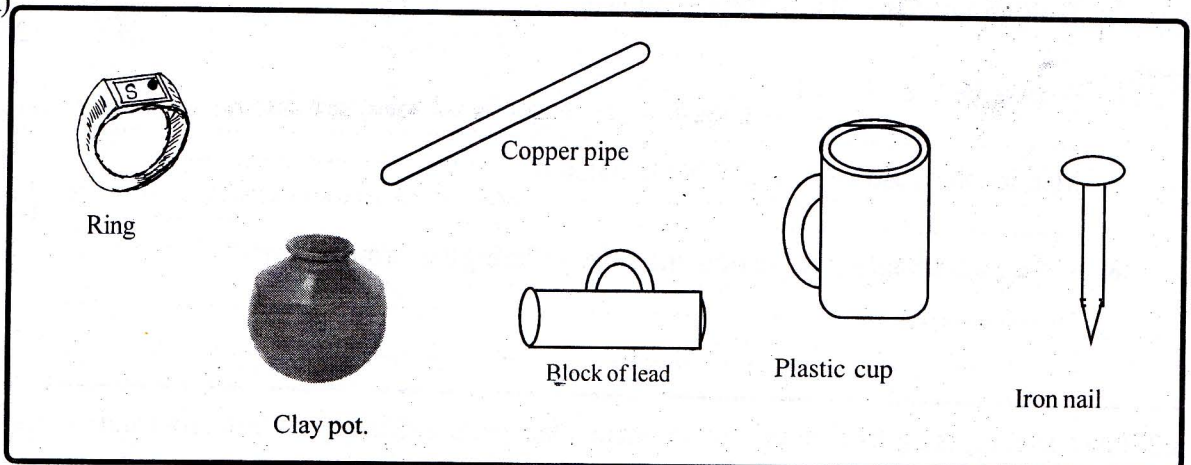
2. What is the process that helps for giving energy to organisms.

..... (1 Marks)

3. Mention 2 substances that are released by plants during day time?

..... (1 Marks)

03) A)



Observe the things shown above and answer the questions.

1. Name the things shown above made by non - metal?

..... (1 Marks)

2. Write the things made by metal?

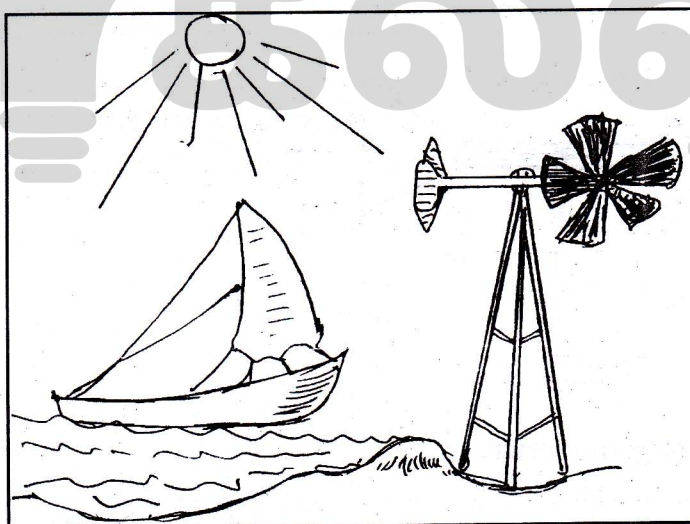
..... (1 Marks)



3. Mention a thing that does not tannish easily?  
..... (1 Marks)
4. Which is the raw material that is used in manufacturing of clay pot?  
..... (1 Marks)
5. Mention the necessary factors for rusting iron?  
..... (1 Marks)
6. Write a thing that can get rusted easily?  
..... (1 Marks)

- B) 1. Mention 2 facts that should be considered when selecting the packing materials?  
1.....  
2..... (2 Marks)
2. What is the packing material that increases the environmental pollution?  
..... (1 Marks)
  3. Which soil, is suitable for agricultural purpose?  
..... (1 Marks)
  4. Through which way soil is formed?  
..... (1 Marks)

04) Observe the pictures care fully.



- A) 1. Mention 3 energy sources given above.  
.....  
..... (3 Marks)
2. Write 2 forms of energy that is received from sun.  
..... (2 Marks)
  3. Which energy is used in manufacturing salt?  
..... (1 Marks)
  4. Write an instance where output of energy received from wind mill is used?  
..... (1 Marks)

B) Sailing vessel was drawn to sea side for repairing. Workers jointed together to apply force.

1. How did they apply force?

..... (1 Marks)

2. Explain about "force is applied"?

..... (1 Marks)

3. Potential energy → kinetic energy. Write an example for this energy transformation?

..... (2 Marks)

05) NDMC is a station that makes awareness about natural disaster. Sri Lanka is a country that also faces natural disasters.

A) 1. Mention 2 natural disasters that occur in your living area?

..... (2 Marks)

2. Write 4 media that help to receive weather forecast?

1..... 2.....

3..... 4..... (2 Marks)

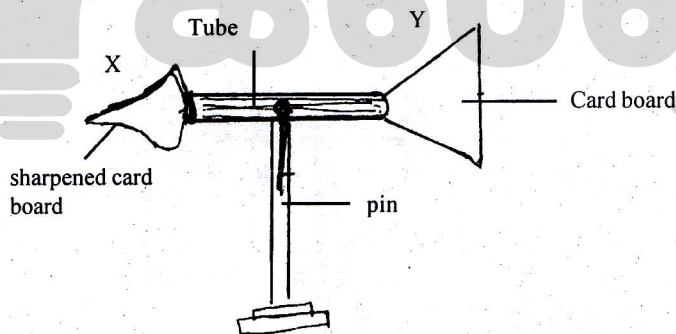
3. Which is the department that informs weather forecast by using advanced technical instruments?

..... (1 Marks)

4. Name the natural disaster that occurs when low pressure is created.

..... (1 Marks)

B)



1. What is the usage of this instrument?

..... (1 Marks)

2. Mention the reason for using pin?

..... (1 Marks)

3. Which helps it to rotate toward direction of wind?

..... (1 Marks)

4. Write the part that should be broad?

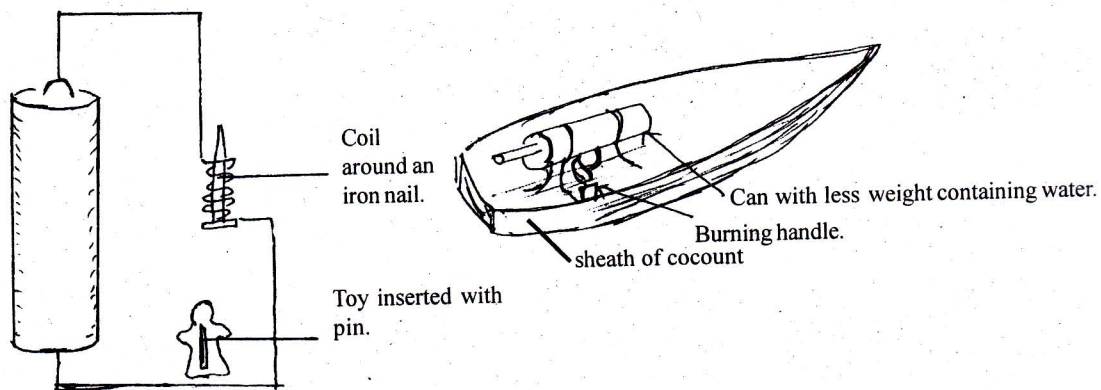
..... (1 Marks)

5. Mention the direction of wind blowing here?

..... (1 Marks)



06) The following simple instruments were constructed by students.



1. Write the observation when the switch is on the setup A. (1 Marks)
2. Write a feature of the pin that has been inserted into toy. (1 Marks)
3. How does act the nail kept into the coil act? (1 Marks)
4. Write 2 characteristics of metal that was used for making can in setup B. (2 Marks)
5. Which is the metal that is suitable to make can in set B (1 Marks)
6. Write 2 observations gained by you when burning of handle here? (2 Marks)
7. Name the sensory organ that helps to identify the heat releasing from candle? (2 Marks)
8. Write 2 ways through which water pollutes? (1 Marks)

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