

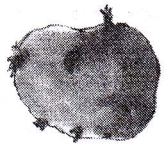



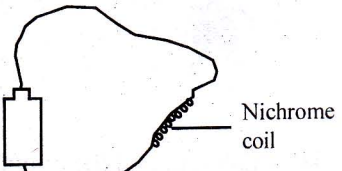


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Zonal Education Office - Jaffna.
Third Term Examination - 2011
Grade: 06 SCIENCE Time: - 2 hours
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Part - I

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
- 
- Nichrome coil

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,

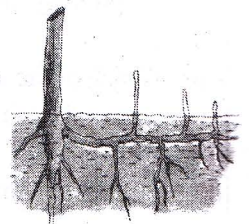
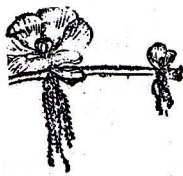
1. 60°C
2. 0°C
3. 100°C
4. 110°C

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.



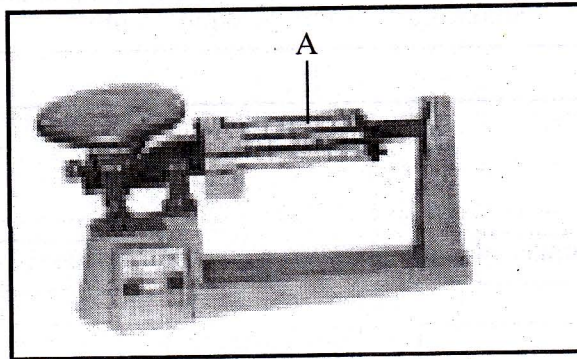
20. How can you call the event where that the shadow of the earth falls on the moon and makes it disappear?

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

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 Marks)
2.....
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 Marks)
2.....
4. How do you over come those problems. Give 2 suggestions.
1..... (2 Marks)
2.....
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 Marks)
2.....

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

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

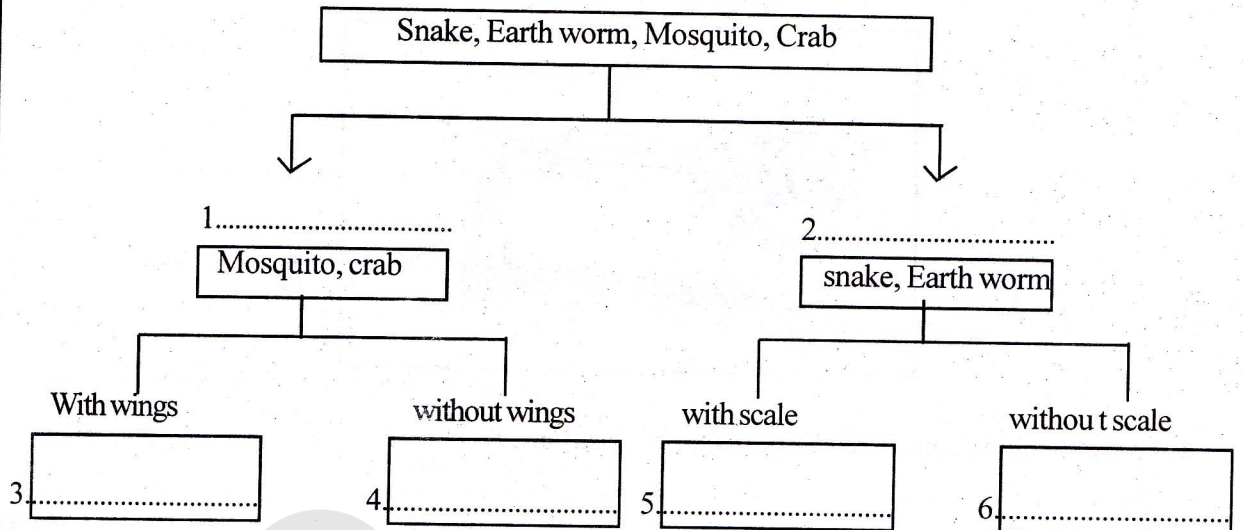
..... (1 Marks)

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

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

B) Complete the following dichotomous key

1.



(3 Marks)

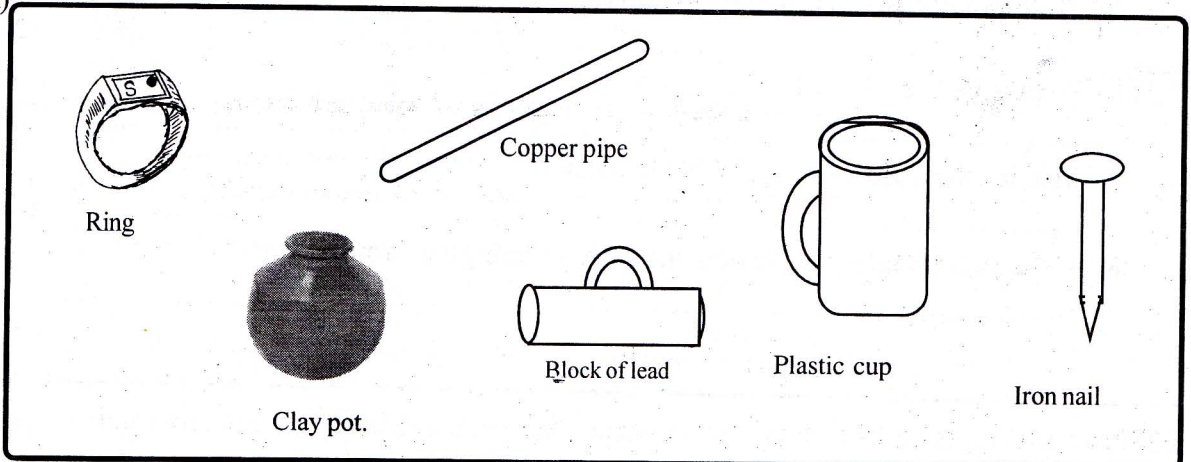
2. What is the process that helps for giving energy to organisms.

..... (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?

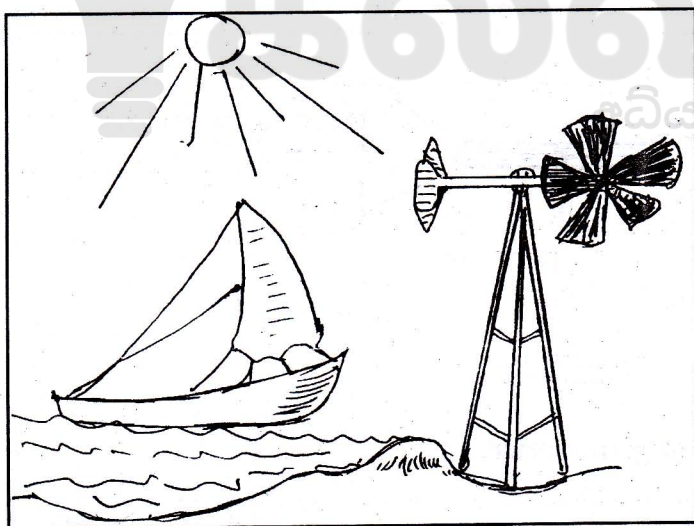
..... (1 Marks)

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)

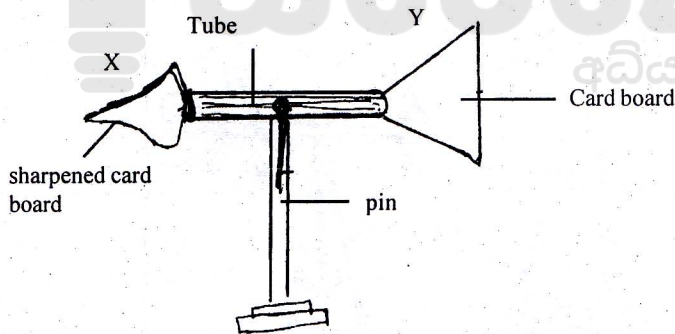
B) Sailing vessel was drawn to sea side for repairing. Workers jointed together to apply force.

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.

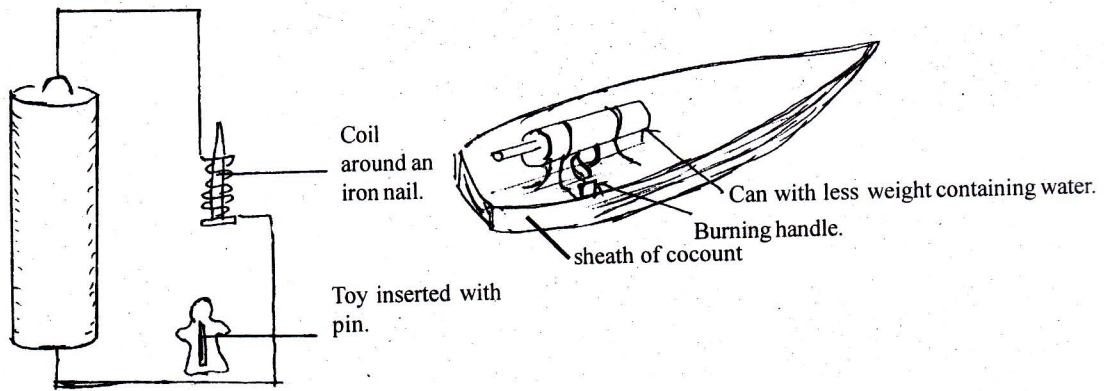
- A) 1. Mention 2 natural disasters that occur in your living area?
..... (2 Marks)
2. Write 4 media that help to receive weather forecast?
1..... 2.....
3..... 4..... (2 Marks)
3. Which is the department that informs weather forecast by using advanced technical instruments?
..... (1 Marks)
4. Name the 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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(குனிப்பாட அனுமதிகளையும் பெற்றுக்கொள்ள முடியும்)



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எண்ணிம உலகத்தில் மாணவர்களிற்கென சிறந்ததொரு கற்றல் கட்டமைப்பை உருவாக்குதல்.

அனைத்தும் டிஜிட்டல் மயப்படுத்தப்பட்ட இந்த காலத்தில் பல்வேறு துறைகளும் கால ஓட்டத்துடன் இணைந்து டிஜிட்டல் தளத்தில் பல்கிப்பெருகி வருகின்றன. அந்த வகையில் கல்வித்துறையும் இதற்கு விதிவிலக்கல்ல. இணையவழி கல்வியின் மூலம் கல்வித்துறை புதியதொரு பரிமாணத்தை எட்டியுள்ளது. குறிப்பாக கொரோனா பேரிடர் காலத்தில் நாடே முடக்கப்பட்டிருந்தது. இதனால் மாணவர்களிற்கும் பாடசாலை, கல்வி நிறுவனங்களிற்கு இடையிலான தொடர்பு துண்டிக்கப்பட்டது. அந்த இக்கட்டான சூழ்நிலையில் இணையவழி வகுப்புகள் மாணவர்களிற்கு வரப்பிரசாதமாக அமைந்தது என்பதே உண்மை.

இன்று தொழில்நுட்பம் மாணவர்களை தவறான பாதைக்கு இட்டு செல்வதாக ஓர் எண்ண ஓட்டம் மக்கள் மத்தியில் உள்ளது. தொழில்நுட்பம் என்பது ஒரு கருவி மட்டுமே அதை எவ்வாறு பயன்படுத்துகிறோம் என்பதில் அதன் ஆக்க மற்றும் அழிவு விளைவுகள் தீர்மானிக்கப்படுகிறது. உளியை கொண்டு சிலையை செதுக்க நினைத்தால் அவன் நிச்சயம் சிற்பி ஆகலாம். இங்கு பிரச்சினையாக காணப்படுவது மாணவர்களை வழிப்படுத்த தொழில்நுட்ப உலகில் ஓர் முறையான கட்டமைப்பு இல்லாமையே. அதை உருவாக்குவதே எங்கள் நோக்கம். அதை நோக்கியே எங்கள் பயணம் அமையும்.

எமது இணையத்தினூடக ஊடாக உங்களிற்கு தேவையான பரீட்சை வினாத்தாள்களை இலகுவான முறையில் தரவிறக்கம் செய்து கொள்ளமுடியும்.

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