



Third Term Test - Grade 06 - 2023
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SCIENCE - I

Time:
02 hours

Name / Index No.

* Answer all the questions

* Underline the most suitable answer.

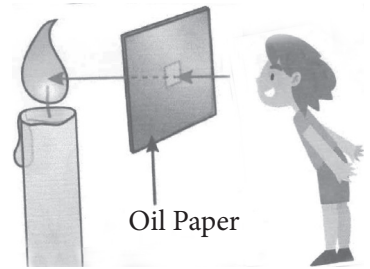
01. An organism which can photosynthesis is,
1. butterfly 2. mushroom 3. chilli plant 4. sea anemone
02. An organism which uses fins for locomotion is,
1. tortoise 2. tuna 3. parrot 4. cobra
03. A substance with mass is,
1. air 2. electricity 3. light 4. sound
04. A substance which changes its shape according to the vessel is
1. water 2. biscuit 3. eraser 4. pencil
05. An example for gaseous state of water is,
1. ice 2. steam 3. snow 4. sea
06. A place where more salt is dissolved in,
1. well 2. lagoon 3. river 4. sea
07. Which fuel belongs to both biomass and fossil fuel?
1. coal 2. coconut shells 3. diesel 4. saw dust
08. Which is the most powerful energy source?
1. biomass 2. fossil fuel 3. wind 4. sun
09. What is the most suitable fossil fuel to operate the instrument in the diagram?
1. coal
2. kerosene
3. liquid petroleum gas
4. diesel



10. A natural source of light is,
1. candle 2. moon 3. firefly 4. bulb

11. When looking through an oil paper as in the diagram.

1. can see the light and the candle well.
2. can see the light but cannot see the candle well.
3. cannot see both candle and the flame.
4. can see the flame but cannot see the light.



12. An artificial sound is,

1. dog barking
2. wind blowing
3. school bell
4. lightning

13. Select the music from followings.

1. When cutting grass using grass cutter
2. running a vehicle
3. bird singing
4. playing a violin

14. A hydro power station in Sri Lanka is,

1. Kelaniya
2. Kothmale
3. Hamnbanthota
4. Norochhole

15. The type of cell that finishes chemicals inside when using it, is

1. primary cell
2. secondary cell
3. solar cell
4. simple cell

16. When falling light on to the LDR, the resistance of it,

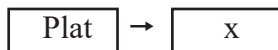
1. increases
2. decreases
3. no change
4. depends on the circuit

17. When there is a hot cup of tea in the normal environment,

1. absorbs heat from the surrounding and cools it.
2. releases heat to the surrounding and increasing temperature
3. releases heat to the surrounding and decreases temperature
4. temperature decreases but no heat exchange



18. Following is first two links of a food chain,



Definitely x is,

1. a herbivore
2. a carnivore
3. an omnivore
4. not a carnivore

19. An instrument used to measure the direction of the wind is,

1. wind vane
2. anemometer
3. hygrometer
4. thermometer

20. Grade 6 students are very active, and grow their body rapidly. Therefore they,

1. should take food with more sugar
2. should take food with more starch
3. should take food with more protein
4. should take a balance diet adequately

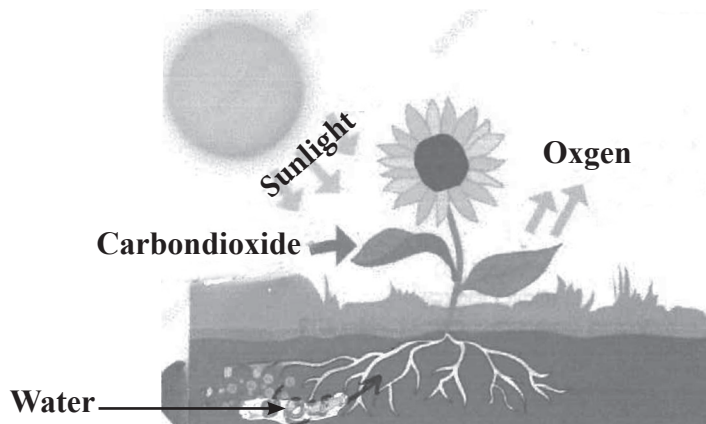


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SCIENCE - II

- * First question is compulsory.
- * Select another 4 questions and answer.

01. A i. Plants fulfill their nutrients by photosynthesis. They take substances from the environment and release certain substances to the environment. By considering above information and the diagram. Match A and B sides



A

- a. Provide energy to the plant
- b. Energy obtained by the plants
- c. The plant absorbs from soil
- d. Plant releases to the atmosphere
- e. Plants absorbs from the atmosphere

B

- oxygen
- water
- sunlight
- carbondioxide
- light

(05 marks)

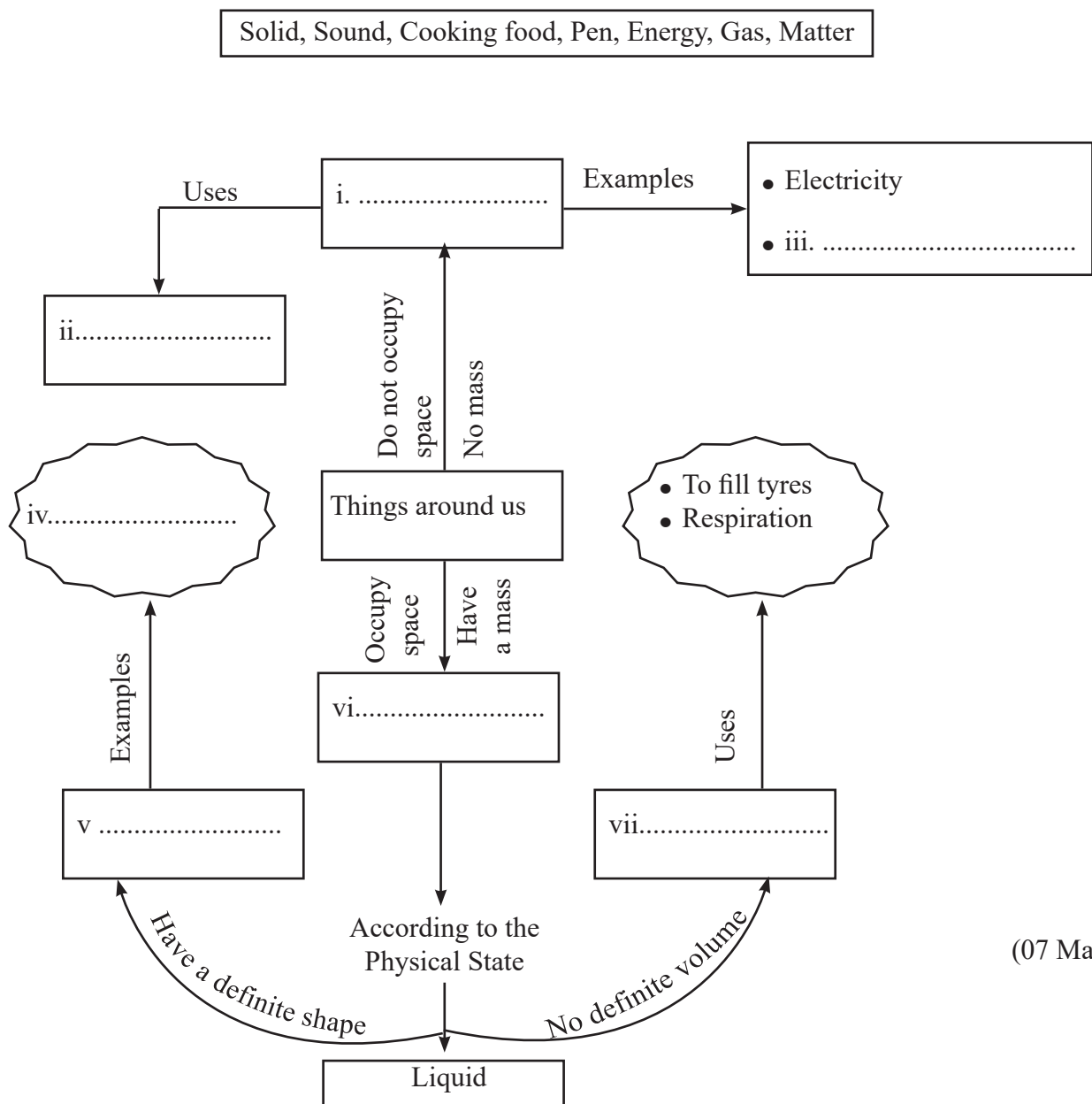
- ii. What is the environment this plant grows? (01 mark)
- iii. Why plant leaves are green colour? (01 mark)
- iv. State a difference between plant growth and animal growth. (01 mark)
- v. Write one difference between matter and energy (01 mark)

B Field visit is an important method to study about the environment.

- i. Name a suitable terrestrial environment for field visit. (01 mark)
- ii. Write one thing you should carry for the field visit. (01 mark)
- iii. State two protective method used in field visit associated with aquatic environment. (01 mark)
- iv. Write two skills you can improve when doing group work. (02 marks)
- v. Give two methods you can follow for the betterment of the environment as a science student. (02 marks)

(Total 16 marks)

02. A - Following is a concept map drawn by considering things around us.

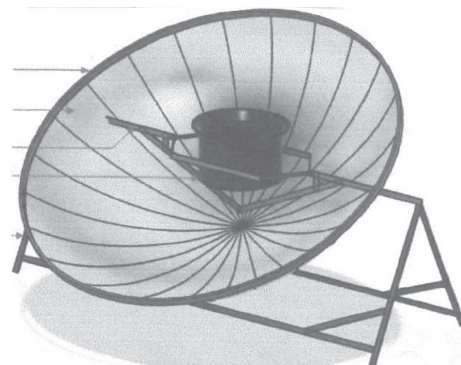


(07 Marks)

B Following is an instrument operated by environmental friendly source of energy.

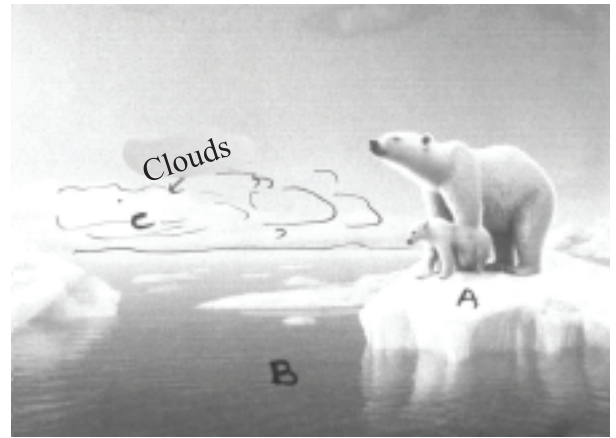
- i. What is the name of this instrument? (01 mark)
- ii. What is the energy type used in the above instrument? (01 mark)
- iii. State one use of this. (01 mark)
- iv. Write one advantage of using above instrument. (01 mark)

(Total 11 marks)



03. A Following is a photograph of a polar region with Polar bear and cloudy sky.

Write the physical state of water in A, B, C places and give examples. Write them in the table.



Place	Physical state of water	Example
A	solid	i.
B	ii.	iii.
C	iv.	v.

(05 Marks)

- vi. Write one problem faced by animals in polar regions due to melting of glaci-ers.

(01 Mark)

- B Light is an essential energy for plants animals and man.

- State one factor needed for vision.
- Draw a light beam.
- Write one instances that light is used for giving signals.
- Name an instrument that produces light from electricity.
- How drivers use light for safty of them and pedestrians. Explain.

(01 Mark)

(01 Mark)

(01 Mark)

(01 Mark)

(01 Mark)

(Total 11 Marks)

04. A. This is a source of sound used in the bicycle.



- Name this instrument.
- What do you feel when keeping the finger on ringing it?
- State how this instrument is important for a cyclist.
- What is the use of ear lobe?
- State one instance of chasing away animals using sound.
- Write one important thing when using radio, TV, loud speaker and vehicle horns.

(01 Mark)

(01 Mark)

(01 Mark)

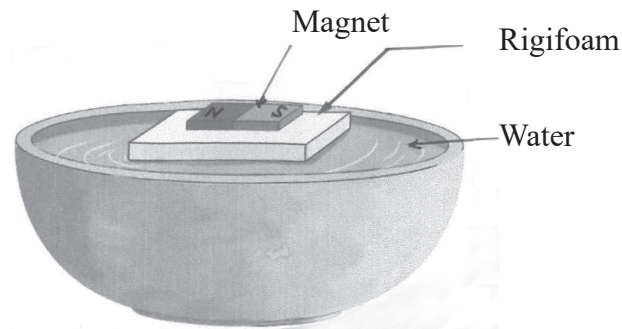
(01 Mark)

(01 Mark)

(02 Marks)

B Magnets are used in most of the instruments we use in daily life.

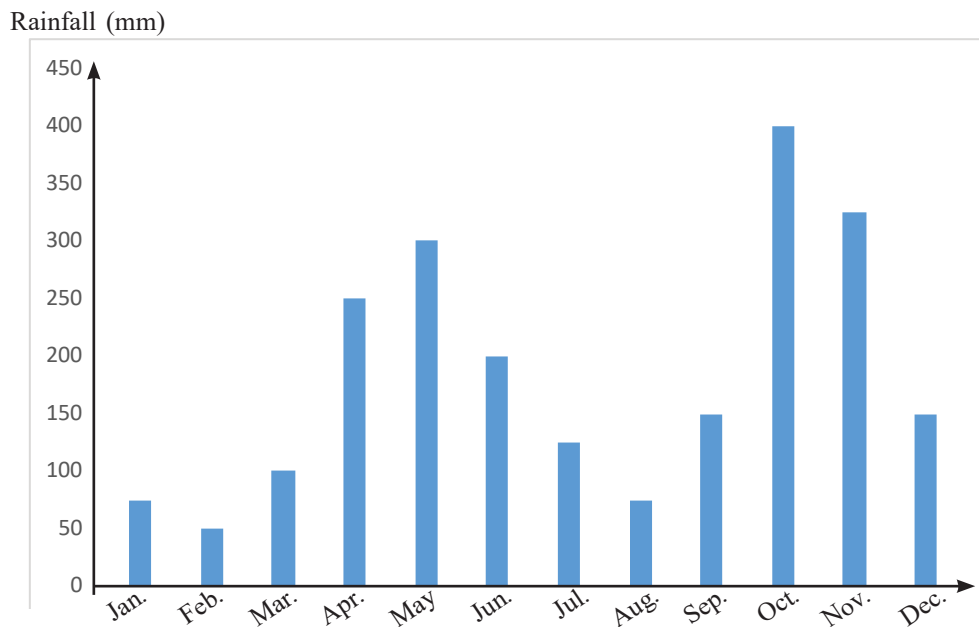
- i. Name an instrument with magnets. (01 Mark)
- ii. A magnet floats on water using a rigifoam. Attempts were made to float as if there were poles in different directions.



- (a) Write one observation in the test. (01 Mark)
- (b) State the type of magnet used here. (01 Mark)
- iii. When getting closer to the 'S' end, towards a south pole of another magnet, what can you observe? (01 Mark)

(11 Marks)

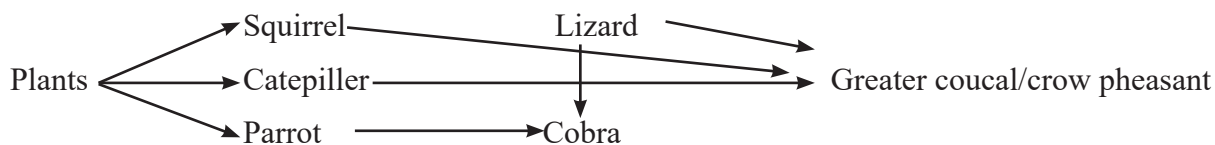
05. A Following is a record of annual rainfall of Kurunegala city.



- i. What are the months that minimum and maximum rainfall reported in Kurunegala city? (02 Marks)
- ii. What is the maximum temperature in that area? (01 Mark)
- iii. What is the instrument used to measure the rainfall? (01 Mark)
- iv. State the unit used to measure rainfall. (01 Mark)
- v. What is weather and climate explain. (02 Marks)
- vi. State two factors affecting for weather (02 Marks)
- vii. Name two natural disasters occurred related to weather changes. (02 Marks)

(Total 11 Marks)

06. Following is a connection of food relationship in the garden.



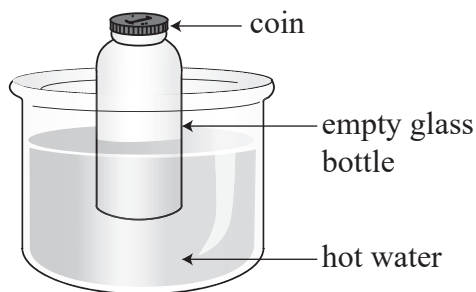
- i. What is this diagram? (01 Mark)
- ii. Name a herbivore, carnivore and a omnivore in the above diagram. (03 Marks)
- iii. Write a food chain with four links in the above diagram. (02 Marks)
- iv. Lizard shows protective behavioral method. what is it called? (01 Mark)
- v. Green plants are known as producers. Give your reason. (01 Mark)
- vi. State one disadvantage occurred when killing cobras. (01 Mark)
- vii. Certain carnivores are adapted for an omnivore life due to man. Name such two animals. (02 Marks)

(Total 11 Marks)

07. A. You are provided a dry cell an ammeter a bulb, conducting wires and a switch.

- i. Draw a circuit including above appliances using symbols. (02 Marks)
- ii. How do you name the materials which conduct electricity. Give one example. (02 Marks)
- iii. What is the main function of the diode - Give its symbol? (02 Marks)
- iv. Electricity should be used in a thrifty way. State one method of saving electricity. (01 Mark)
- v. Accidents can be occurred due to electricity. Write one method of preventing accidents occurred due to electricity. (01 Mark)

B. i. Following is an experiment to show expansion of gases. How do you identify the expansion of gases. (01 Mark)



- ii. Write two effects of heat on the environment. (02 Marks)

(Total 11 Marks)



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Science

Answer Sheet

Part - I

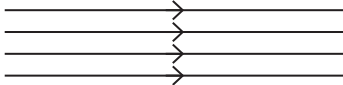

Question No.	Answer
01.	3
02.	2
03.	1
04.	1
05.	2
06.	4
07.	1
08.	4
09.	3
10.	3

Question No.	Answer
11.	2
12.	3
13.	4
14.	2
15.	1
16.	2
17.	3
18.	4
19.	1
20.	4

Part - II

- සැලකිය යුතුයි: මෙහි ඇතැම් පිළිතුරු සඳහා ලබා දී ඇත්තේ ආදර්ශ පමණි. ඒ හා සමාන හෝ නිවැරදි වෙනත් පිළිතුරු සඳහා ලකුණු ලබා දෙන්න.

01. A i. a - Sun b - Light c - Water d - Oxygen e - Carbondioxide (05 Marks)
 ii. terrestrial environment (01 Mark)
 iii. have chlorophyll (01 Mark)
 iv. unlimited growth - plants (01 Mark)
 v. have mass - occupying space (01 Mark)
 B i. forest / grassland/ factory/ agricultural land (01 Mark)
 ii. note book/ pen/ basket/ water bottle (01 Mark)
 iii. do not step on to the water (01 Mark)
 iv. group contribution/ team spirit/ patient / exchanging ideas (02 Marks)
 v. planting trees, do not put garbage in to the environment/ protecting natural resources/ recycling materials (02 Marks)
 (16 Marks)
02. A i. energy ii. cooking foods iii. sound iv. pen v. solid vi. matter vii. gases (07 Marks)

- B i. solar thermal stove (01 Mark) ii. solar heat (01 Mark)
 iii. cooking meals/ heating water (01 Mark)
 iv. • low cost/ free of charge • environmental friendly (01 Mark)
03. A i. Glazier/Snow/Ice (01 Mark) ii. Liquid (01 Mark)
 iii. Rivers/Wells/Oceans/Seas (01 Mark) iv. Gas (01 Mark)
 v. Steam/water vapour (01 Mark) vi. Losing their habitats (01 Mark)
- B i. • Healthy eye • Light (01 Mark)
 ii.  (01 Mark)
 iii. Light house /Traffic light, Signal Lights of Vehicles (01 Mark)
 iv. electric bulb, LED (01 Mark)
 v. • Using signal lights • Driving at night with light on
 • Dimming the head lamps when necessary (01 Mark)
04. A i. bell (01 Mark) ii. feeling a vibration (01 Mark)
 iii. to prevent an accident (01 Mark) iv. direct sound in to the ear (01 Mark)
 v. moving the clapper board/ using 'diyaholmana'/shouting (01 Mark)
 vi. using them without disturbing others. (02 Mark)
- B i. chess board, door of the fridge, motor, pencil boxes (01 Mark)
 ii. a. it comes to the rest north-south direction (01 Mark)
 b. bar magnet (01 Mark)
 iii. repulsion (01 Mark)
05. i. maximum - October minimum - February (02 Marks)
 ii. 400 mm (01 Mark) iii. rain gauge (01 Mark) iv. millimeter (01 Mark)
 v. to introduced (02 Marks) vi. rain fall, temperature, humidity, speed and directions of the wind. (02 Marks)
 vii. cyclone, floods, landslides (02 Marks)
06. i. food web (01 Mark)
 ii. caterpillar, parrot - herbivores
 squirrel - omnivores
 lizard, cobra, caucal - carnivores (03 Marks)
 iii. plants → caterpillar → lizard → caucal (02 Marks) iv. changing body colour (01 Mark)
 v. plants produce their own food by photosynthesis/doing photosynthesis (01 Mark)
 vi. breaking the balance of the environment. (01 Mark)
 increasing animals such as rats, frogs
 vii. dog, cat (02 Marks)
07. A i. circuit digram (02 Marks) ii. conductors copper / aluminium (02 Marks)
 iii. flowing elecgricity only to one direction (01 Mark)
 (01 Mark)
 iv. suitable answer (01 Mark) v. suitable answer (01 Mark)
- B i. moving the coin up and down (01 Mark)
 ii. dry up tanks, decreasing the water level of wells, cracking the ground, forest fires (02 Marks)