



Zonal Education Office, Vadamaradchy

THIRD TERM EXAMINATION-2018

Grade - 06

SCIENCE

Time : 2 hrs.

Index No.:

Marks :

PART I

❖ Answer all questions. Underline the most suitable answer.

1) The process of producing energy in organisms.

1) Photosynthesis

2) Nutrition

3) Respiration 4)

Growth

2) Which gas turns clear lime water into milky?

1) Oxygen

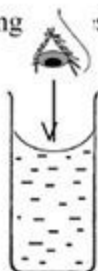
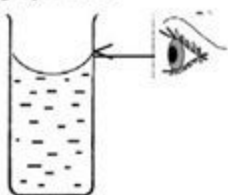
2) Carbondioxide

3) Hydrogen

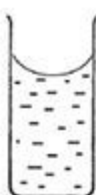
4) Nitrogen

3) Which one of the following

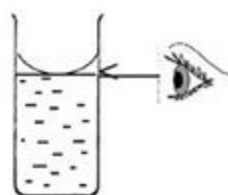
1)



3)



4)



ing cylinder?

s

shows the correct way of measuring the reading in a measur-

4) Which one of the following characteristics can be observed by touching.

1) Texture

2) Elasticity

3) Hardness

4) Malleability

5) The substance which gives salty taste to seawater.

1) Salts

2) Water

3) Minerals

4) Sodiumchloride

6) Percentage of consumable water in the earth.

1) 2.58%

2) 97.41 %

3) 0.01%

4) 0.1 %

7) Bio mass includes.

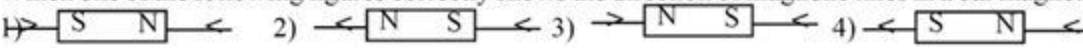
1) Coal , Diesel

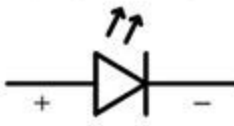
2) Hay , Kerosene

3) Coconut shell , charcoal, Sawdust

4) Coal , Coconut shell, charcoal

8) The phenomenon of changing the sea level because of solar and lunar attractions.

- 1) Tides 2) Vncreasing waves 3) Tsunami 4) Rough sea
- 9) Which is a translucent substance?
 1) clear water 2) cellophane paper 3) Oil paper 4) Thin glass
- 10) Which one of the following is a rhythmic sound.
 1) sound of flute 2) sound of vehicles 3) school bell 4) sosund nof aeroplane
- 11) Which one of the following figures correctly shows the direction of magnetic lines in a bar magnet.



 1) Diode 2) LDR 3) Bulb 4) LED
- 13) Which characteristic of liquids is used in thermometer?
 1) Thermal lexpansion 2) Evaporation
 3) Change of state 4) Sticky nature
- 14) Change of states occurs when iron melts.
 1) solid \rightarrow gas 2) gas \rightarrow liquid 3) solid \rightarrow gas 4) solid \rightarrow liquid
- 15) Change of states occurs fast in
 1) Wax 2) Tar 3) Jak gum 4) camphor
- 16) Grass \rightarrow Locust \rightarrow Frog \rightarrow Snake
 How many links are in the above food chain.
 1) 2 2) 3 3) 4 4) 5
- 17) Which is not needed for photosynthesis?
 1) Oxygen 2) Sunlight 3) Carbondioxide 4) Water
- 18) Which instrument is not used to collect data regarding weather changes.
 1) Barometer 2) Thermometer 3) Compass 4) Raingauge
- 19) If an anemometer rotates 18 rotations in 3 minutes. What is the speed of the wind?
 1) 18 rotations per minute 2) 6 rotations per minute
 3) 3 rotations per minute 4) 9 rotations per minute
- 20) International drug prevention day falls on.
 1) June 26th 2) June 5th 3) July 5 4) May 31

PART -II

Answer all questions.

1) Energy is needed for work. Various forms of energy can be obtained from electricity.

A) i) Things that produce energy are known as

ii) Write down 02 fossil fuels.

1) 2)

iii) Write down the natural disaster caused by seawave energy?

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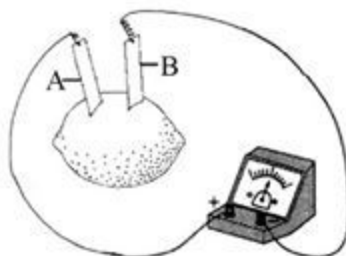
iv) Write down 2 methods to use electricity economically in homes.

1) 2)

v) Give 02 precautions measures to prevent the accidents due to electricity.

1) 2)

B) Diagram below shows how to get electricity from a lemon. Using zinc and copper plates.



i) Name the plates A and B

A) B)

ii) Out of A and B, which is positive terminal and which is negative terminal?

A -

B -

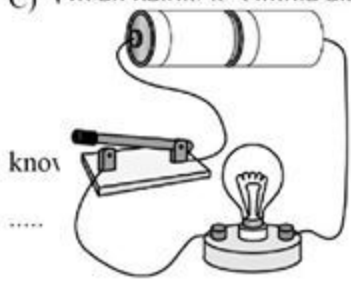
iii) Identify the instrument C.

C -

iv) When C is connected with the wires from copper and zinc, what would be the observation?

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C) Given below is simple electric circuit.-

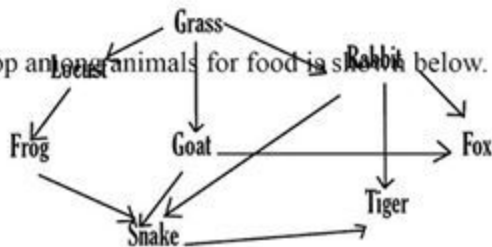


i) A closed path through which electricity passes is as

ii) Draw the circuit diagram for the above circuit.

(20 marks)

2) Relationship among animals for food is shown below.



A) i) Complex relationship shown in the above figure is known as

ii) Write down a Food chain with 4 links using the diagram →

iii) Which one of the organisms mentioned above is an Autotrophic?

iv) Give (a) a herbivore

(b) a carnivore

(c) an omnivore

(7 marks)

B) i) The organisms which can not be seen by naked eye are called

ii) Increase in volume and mass in organisms is referred as

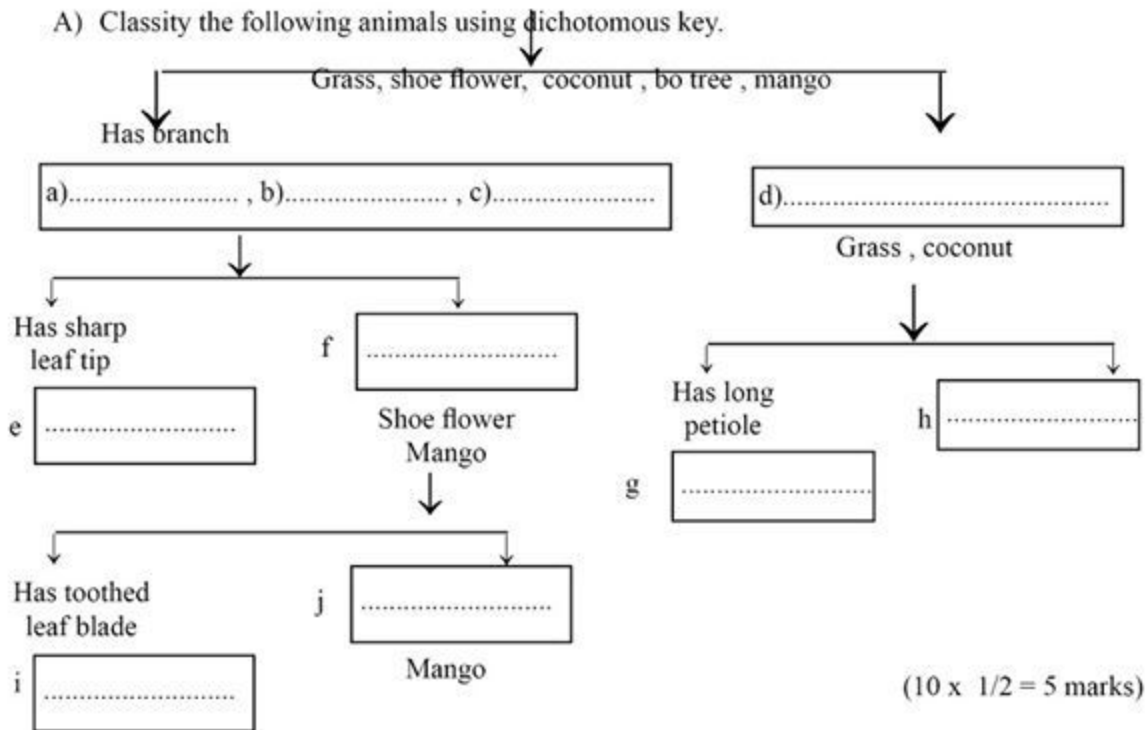
iii) Name an animal which shows movement and does not show locomotion.

(3 marks)

(10 Marks)

3) Dichotomous key is used to classify organisms.

A) Classify the following animals using dichotomous key.



B) Fill in the blanks using the words given.

Pollution, Alcohol, Matter, Elasticity, Laser rays

- 1) Things that occupy space and have mass are known as
- 2) Rubber band has
- 3) occurs due to the addition of industrial waste into water bodies.
- 4) are used to remove cataract clouding of lens in the eye (5 marks)

5) and mercury are used in thermometers.

4) Complete the paragraph using the words given.

Water current , hot water current , temperature, deforestation , Environmental problems, Scientist , cold water current , Heat , rain , water

1) (1) on the land evaporates due to the solar heat and changes into clouds. Water vapour in the clouds condenses and falls as (2) Like rivers , there are (3) in the oceans. This occurs due to the (4) difference in oceans. The temperature of the ocean water in equator is higher than the temperature in polar regions. Hence, (5) flows from equator to polar regions and (6)..... flows from polar regions to equator. (7)..... revealed that the (8) of the earth gradually increases due to the combustion of fossil fuels and (9) Above mentioned human activities will cause (10)..... in future.

5) A) Weather condition that prevailed in a certain region for a short period of time is known as climate. Observing the chart, answer the following questions.

Questions.

Day	Maximum temperature 0°C	Minimum temperature 0°C	Rainfall (mm)	Humidity (%)
1	31.3	29.9	0	80
2	31.6	28.1	0	81
3	31.3	28.2	0	81
4	30.9	26.8	2.29	82
5	31.3	26.4	0.25	77
6	30.7	25.2	1.29	89
7	30.5	25.0	22.35	83
8	31.3	26.9	0.25	80
9	31.3	28.1	0	82
10	31.3	28.0	0	80

i) Which days have equal maximum temperature?

.....

ii) Which days have equal minimum temperature?

.....

iii) Identify the day with no rainfall and highest humidity?

.....

iv) How does the minimum temperature change when rainfall increases?

.....

v) What is the maximum temperature on the day with highest rainfall?

.....

(5 marks)

B) Usual weather changes forecast natural disasters.

i) Write 02 natural disasters related to weather changes.

.....

ii) Name the instrument used to measure the humidity of atmosphere.

.....

iii) How is the weather condition prevailed in a certain period for a long time named?

.....

iv) Write down 02 factors influencing the weather.

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(5 marks)