யா/ஹாட்லிக் கல்லூரி,பருத்தித்துறை.
J/ Hartley College, Point Pedro.

முதலாம் தவணைப் பரீட்சை–2020 – தரம் 07
First Term Examination – 2020 – Grade 07

SCIENCE	34	T	I, II	Two Hours

சுட்டெண் Index No

SCIENCE

Part - I

Answer all of the following question

01. Which of the plant is not as having root nodules in the roots of plant
1. Sesbenia 2. Orchid 3. Mimosa 4. Beans

2. Example for underground stem is
1. Coconut 2. Grapes 3. Colocasia 4. Sugar cane

3. Disperson method for seeds of Thanakku
1. Wind 2. Water 3. Animal 4. Explosive mechanism

4. The scientist who stated that the light objects attracted with objects rubbed, is
1. Dalton 2. Franklin 3. Mendal 4. Gilbert

5. Between the objects with like charges
1. attraction occurs 2. attraction and repulsion occur
3. Repulision occurs 4. Changes do not occur

6. Unit for Charge stored in a capacitor, is
1. Farad 2. Ampere 3. Volt 4. Walt

7. When the rate of rotation increases in the dynamo, the amount of current produced
1. Decreases 2. Decreases and Increases 3. Increases 4. No Change

8. What happens for the protein that excessively consumed in the body
1. Stored in the liver 2. Added in the blood 3. Changed as Urea 4. Changed as fat

9. In which taproot system is not found
1. Kupaimenia 2. Mango 3. Curry Leaves 4. Palmayrah

10. Root found in the pandanus plant, is
1. aerial Root 2. Climbing root 3. Stilt root 4. Prop root

www.lkedu.lk

11. An example for a leaf blade of a simple leaf separated in to segment
    1. Manioc 2. Temple Tree 3. Sesbenia 4. Tamarind

12. A part not for gynoecium of a flower, is
    1. Stigma 2. Filament 3. Style 4. Ovary

13. A large amount of salt dissolved in sea water, is
    1. Sodium Carbanate 2. Calcium Carbanate 3. Sodium nitrate 4. Sodium Chloride

14. Substance which changed the red litmus paper into blue colour is
    1. Lime Water 2. Orange juice 3. Vinegar 4. Salt Solution

15. An instrument used to identify the directions of following of electric current is
    1. Ammeter 2. Center Zero Ammeter 3. Electric Meter 4. Voltmeter

16. Object which generates electricity with using sunlight is
    1. Solar panel 2. Dynamo 3. Electric motor 4. Water turbine

17. An instrument which used to identify the static electric charge is
    1. Magnet 2. Cup made up with glass 3. Gold leaf electroscope 4. Dry cell

18. International system of unit for electricity is
    1. Milliampere 2. Ampere 3. Volt 4. Ohm

19. Not an example for showing camouflage, is
    1. Moth 2. Cricket 3. caterpillar 4. Bee

20. Which of following, is considered as a mammal
    1. Squirrel 2. Sparrow 3. Camaloen 4. Eagle

Part – II

Answer all of the following questions.

01. A. consider the following names of the plants and answer the following questions
    (Radish, Bread Fruit, cyperus, Betel, tamarind, Kinnai, Shoeflower, Kithul)
    a. Non flowering plant ……
    b. Plant with root as storing food ……
    c. plant with root as vegetative propagation ……
    d. plant with respiratory roots. ……
    e. plant with climbing roots ……
    f. plant with branched stem ……
    g. plant with aerial stem as storing food ……
    h. plant with compound leaf ……

B. i. What is meant by electro static charges?
   ii. Give two instances where electro static charges used?

www.lkedu.lk

02. A. i. List the needed things for preparing a simple cell constructed by you in the laboratory.

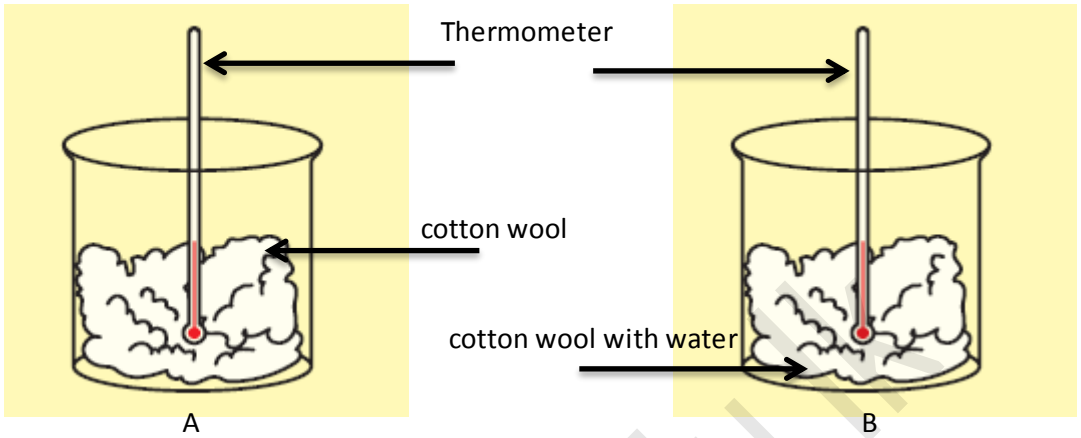
ii. What is your observation when it is connected with center zero galvano meter. Draw and name the parts of this setup

iii. Give two deficiencies (ill effects) found in this setup.

iv. what are the substances composed for a cell used for wrist watch in the market.

v. Give the symbol for electric cell.

B. The setup made by the students of grade 07 is shown below



i. What is the purpose of this setup?

ii. What is your observation from this activity.

iii. Give two instances where the above property of water used.

iv. What are the two characters of water except that you mentioned above.

v. Fishes which live in water use oxygen dissolved in the water which character of water is caused for this occasion

03. 1. There are three solutions named as A, B and C which shows acidic basic neutral characters. the colours with them, are tabulated as follows

Solution	Blue litmus paper	Red litmus paper
A	Red	Red
B	Blue	Red
C	Blue	Blue

i. Which solution shows acidic character?

ii. Which solution shows basic character?

iii. Which solution shows neutral character?

iv. If there is pure water placed in one of the vessel, Which alphabet shows this vessel?

v. Give two acids found in the laboratory

vi. Give two indicator which used in the laboratory

vii. Which solution gives light red colour with phenolpthalein

viii. Plant sap obtained with nature, can be used as indicators. Give 05 examples.

ix. What is the colour of the pH paper found in the laboratory.

www.ikedu.lk

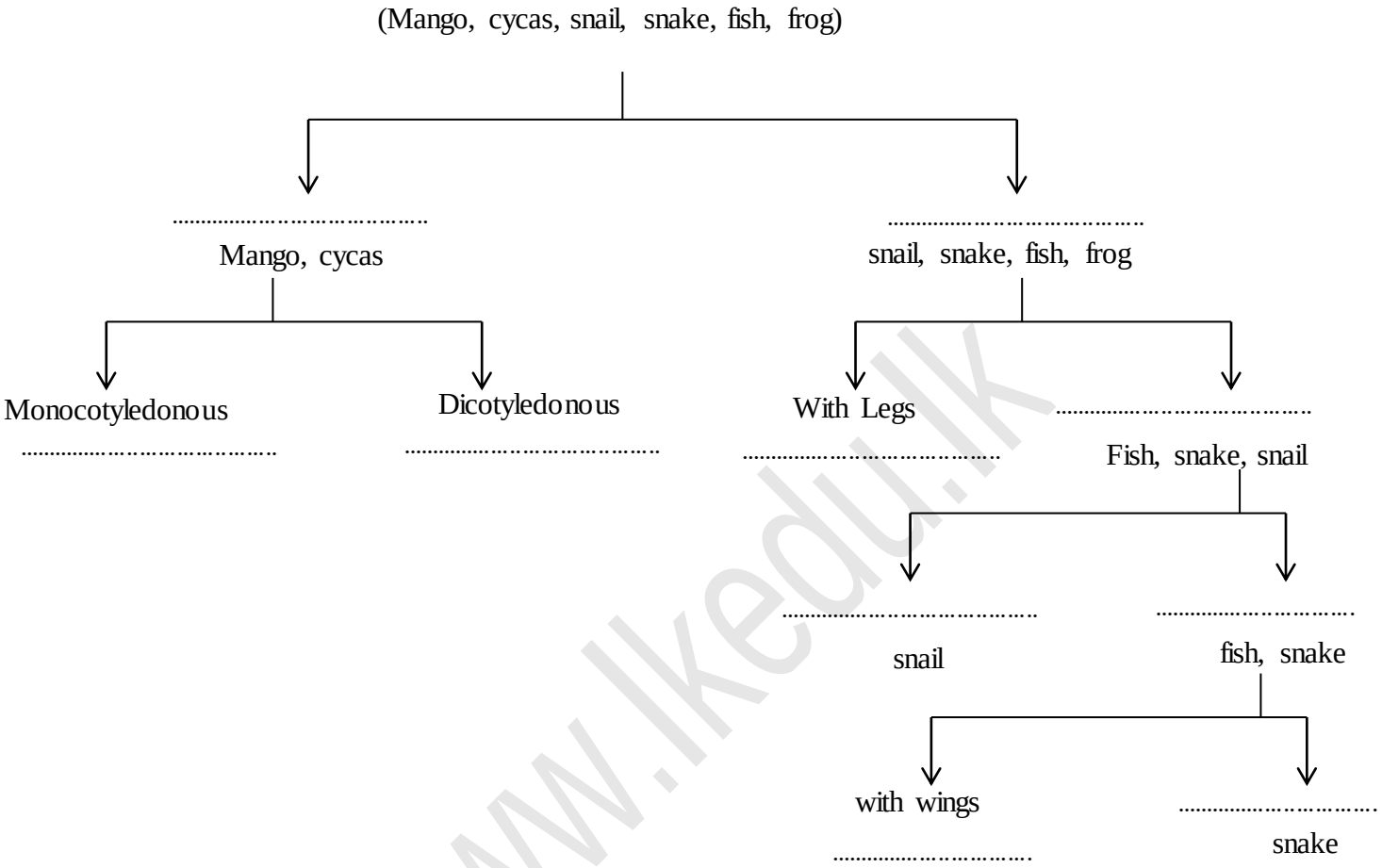
04. i. How can we classify the vertebrates?

ii. What is camouflage?

iii. Give 02 examples for the animals which show camouflage?

iv. What is the benefit for the stream lined body shape of the birds?

v. Complete the dichotomous key



www.lkedu.lk