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T/KIN/KINNIYA CENTRAL COLLEGE - (N.S)

First Term Examination - 2020

GRADE 07

Index no: .....

Science

Time: 2.00 Hours

Part – I

➢ **Underline the correct answer**

1. select the flowering plant?
   1) Cyprus 2) Rose 3) Cycus 4) Salvinia

2. A plant stored food in root
   1) Potato 2) Ginger 3) Onion 4) Radish

3. A plant that possesses fibrous root system
   1) Coconut 2) Grass 3) Bamboo 4) Thulasi

4. Select a plant that possessed photo synthetic stem
   1) Cactus 2) Kinnai 3) Rampe 4) Panda noun

5. Which plant possesses a compound leaf
   1) Papaw 2) Coconut 3) Manioc 4) Hibiscus

6. A group of fruits and seeds that dispersed due to water
   1) Cotton, Erukku, THanakku, Hora
   2) Hora, Kalliththi, Arecanut, Castor
   3) Coconut, Arecanut, Kalliththi, Lotus
   4) Tiger claw, castor, papaw, Tomoto

7. An incorrect statement related to the cot plants?
   1) Posses fibrous root system 2) Leaf possesses reticulate venation
   3) Flower has 4 or 5 times of petals 4) stems are branched

8. Who was introduced the static electric charge at very first?
   1) Benjamin Franklin 2) William Gilbert
   4) Volta 4) J.J Thomson

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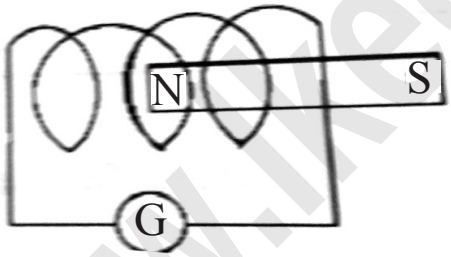
9. An object that can't charged due to rubbing
   1) PVC tube 2) Glass rod 2) Aluminum rod 4) Ebonite rod

10. Which unit used to measure the capacitance of a capacitor ?
   1) Volt 2) Ampere 3) Farad 4) Joule

11. An incorrect statement related to the static electric charges?
   1) Like charged objects get repulsion
   2) Unlike charged objects get attraction
   3) Glass rod get positive static charges when rubbing with silk
   4) Ebonite rod gets positive static electric charges when rubbing with wool

12. An electric source that is not produced electricity due to chemical reaction
   1) Dynamo 2) Simple cell
   3) Storage cell 4) Dry cell

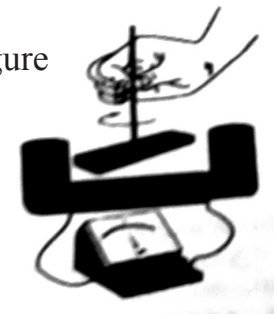
13. An incorrect observation when moving bar magnet into the wire coil.



   1) Galvanometer shows a reading when move bar magnet inside the coil
   2) Galvanometer shows a reading in another direction when move bar magnet outside the coil
   3) Galvanometer doesn't shows reading when bar magnet rest inside the coil
   4) Galvanometer doesn't shows reading when move outside from wire coil

14. Which animal includes in invertebrates
   1) Lech 2) Crow
   3) Crocodile 4) Turtle

15. Select the observation when rotate the bar magnet as shown in figure



   1) Galvanometer shown reading into right direction.
   2) Galvanometer shown reading into left direction.
   3) Indicator indicates zero mark.
   4) Indicator turns into right and left side.

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16. What can we done to show rightest reading in question number 15?
    1) Use power full magnet
    2) Reduce the turns of wire coil
    3) Rotate the magnet slowly
    4) Use normal copper wire than insulated copper wire

17. Proper order to direct and alternate electric sources?
    1) Dry cell, Dynamo
    2) Solar cell, Storage cell
    3) Dynamo, Domestic current
    4) Simple cell, Storage ell

18. Which substance dissolve in water very well
    1) Turmeric powder
    2) Glucose
    3) Lime
    4) Caustic soda

19. A system that includes only base.
    1) Salt, Soap, Water
    2) Lime, Ash, Soap
    3) Lemon, Vinegar, Ash
    4) Sugar, Salt, Water

20. Which converts blue litmus paper into ved
    1) Salt water
    2) Vinegar
    3) Lime water
    4) Soap

Part – II

➢ **Answer the all questions**

01. Put √ or x

(1) Acids show the of blue in pH paper ( )

(2) Methyl orange shows red colour in acids ( )

(3) Dilute acetic acid is called as artificial vinegar ( )

(4) Hibiscus has compound leaf ( )

(5) Solar cells produce electricity during light falls on them ( )

(6) Cycus produces seeds ( )

(7) Coconut has fibrous root system ( )

(8) Climbing roots in betel absorb water vapour ( )

(9) Ainger has an under ground stem ( )

(10) Begomia produces a new pant by leaf ( )

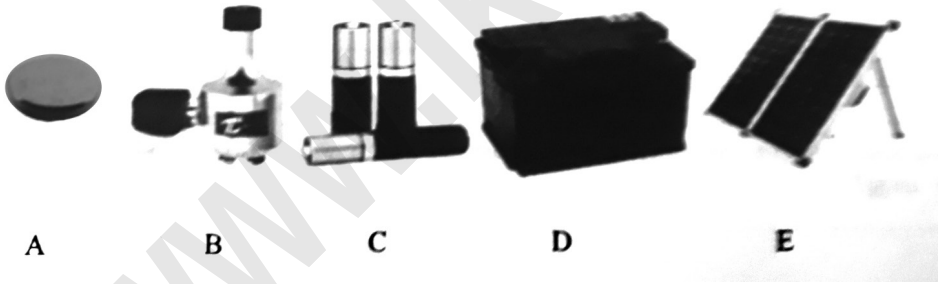
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02. Fill in the blanks using suitable answer from the set.

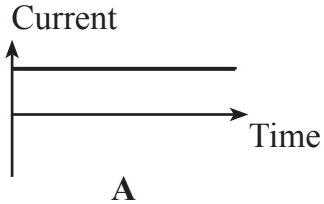
Solvent, Glucose, Dissolve, Sodium Chloride, Toddy, Wax, Sucrose, Common salt, Water, Coolent

1) The salt that presents highestly in sea water is ……..……..
2) ……..…….. is a solution that extract from coconut flower
3) Many substance dissolve in water. So that is called as ……..……..
4) ……..…….. is not dissolve in water
5) Sugar can solution contains ……..……..
6) ……..…….. can extract by evaporating sea water
7) ……..…….. is produced energy for us
8) ……..…….. is used in radiator of vehicles
9) Water has ……..…….. property due to absorb minerals from the soil.
10) ……..…….. is a medium for the biological activities in human body.

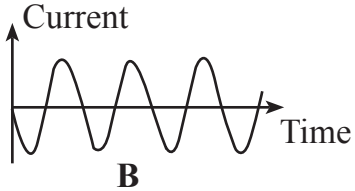
03. A) The sources that produce electricity are called as electric sources



1) Which is produced electricity due to chemical change?
.....
2) Which is produced electricity due to motion?
.....
3) State the types of electricity that produced setup B?
.....
4) Which graph is proper for the type of electricity from B
.....



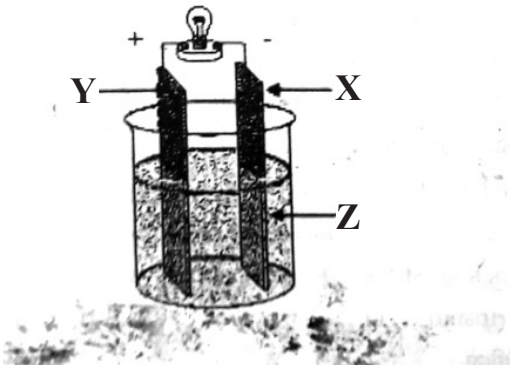
A



B

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B) Answer the question using following figure



5) Name the structure?

.....

6) Identify the metal plate X?

.....

7) Identify the metal plate Y ?

.....

8) State the electricity from the structure?

.....

9) State observation when operate the above structure?

.....

10) Provide a disadvantage from setup?

.....

11) State the direction of electricity from the setup?

.....

12) State the reason using galvanometer is better than using a bulb here?

.....

04. There are some chemicals used in laboratory. Answer the questions using the chemicals.

Sulphuric acid, Sodium hydroxide, Hydrochloric acid, Sodium chloride, Water, Potassium hydroxide

1) State 2 bases used in laboratory?

.....

2) State 2 acids used in laboratory?

.....

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3) State 2 neutral substances?

.....

4) Provide the colour showed by sodium hydroxide in phenolphthalein?

.....

5) State the colour of phenolphthalein in suitable acid?

.....

6) Give 2 indicators separate from plant materials?

.....

7) A substance turns blue litmus into red?

.....

8) State a substance that has pH value 7?

.....

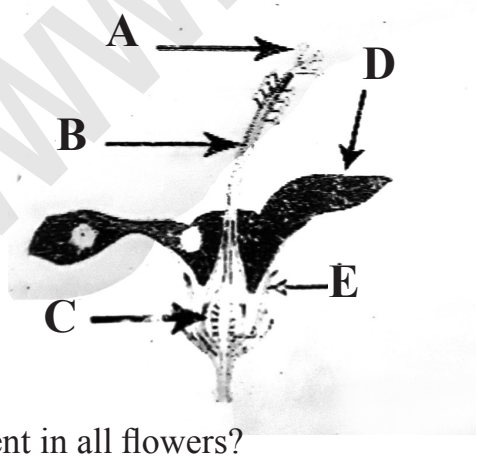
9) A substance shows colour in methyl orange?

.....

10) What do you meant by indicators?

.....

05. The flower is most attract part of a plant answer the question using following parts of a flowers.



1) State 3 parts present in all flowers?

.....

2) Name the parts

A - ……..……. B - ……..……. C - ……..…….

3) Name the parts

D - ……..……. E - ……..…….

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4) Which part protect the flower in bud state?

.....

5) State the most attractive part of a flowers?

.....

6) State the function of part in question number 5 ?

.....

7) Which parts contributes androecium?

.....

8) State the main function of androecium?

.....

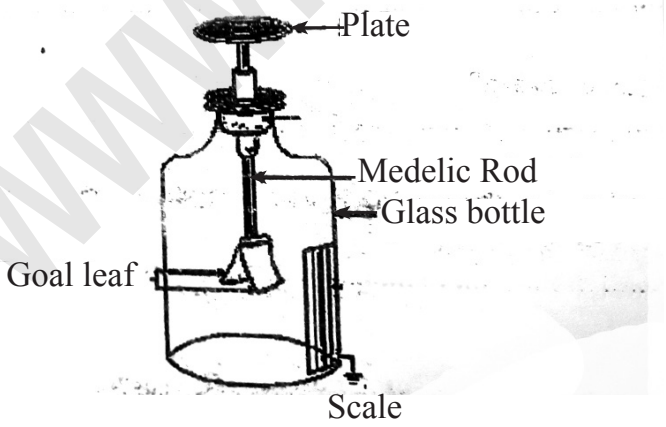
9) Which factor dispersed castor seed?

.....

10) State a characteristics of castor seed for the dispersal?

.....

06. The following is a instrument related to the static electric charges, Answer the questions.



1) Name the instrument?

.....

2) State the function of instrument

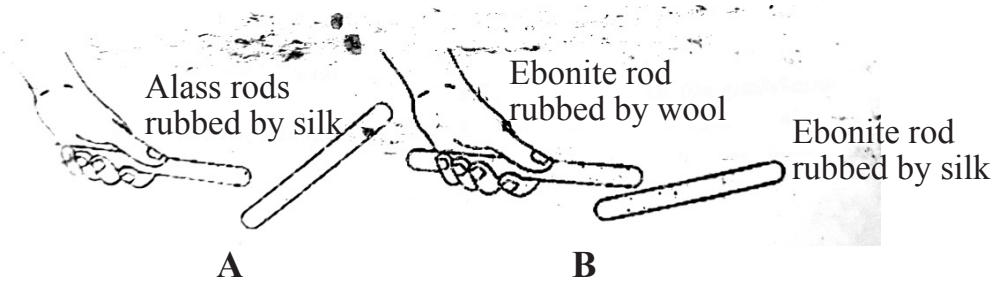
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3) What is the observation when close the charged objects towards metal plate?

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Answer the questions using the following figure



4) State the charge of glass rod rubbed by silk?

.....

5) State the charges of Ebonite rod rubbed by wool?

.....

6) In which structure, the rods are attraction?

.....

7) In which structure, the rods are rupulled?

.....

8) State the reason for above answers.

.....

9) What do you meant by capacitor?

.....

10) Who was introduced the static electric charges?

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