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 Science - I, II

Duration :- 1 hour 30 minutes

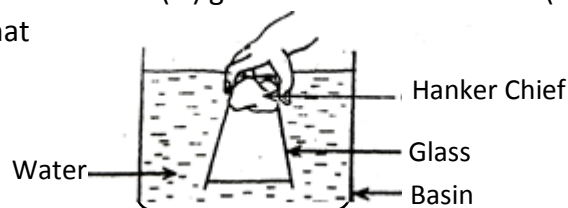
Name :- Index No :-

Grade 6

Part I

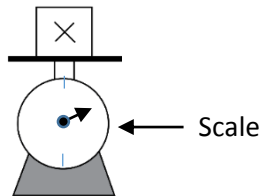
• Underline the most suitable answer

- (01) Almost all the microorganisms are,
 - (i) Heterotrophic
 - (ii) Autotrophic
 - (iii) Harmful to organisms
 - (iv) Not visible to the naked eye when taken individually
- (02) Higher percentage of fresh water exists as.
 - (i) Oceans
 - (ii) Ground water
 - (iii) Ice, Glacier and snow
 - (iv) Rivers
- (03) The instrument uses to measure the growth of a plant
 - (i) Anemometer
 - (ii) Auxanometer
 - (iii) Barometer
 - (iv) Rain gauge
- (04) Gold and Silver is mostly used in making jewellery, due to
 - (i) Texture and Lusture
 - (ii) Malleability and Ductility
 - (iii) Lusture and Hardness
 - (iv) Brittleness and Elasticity
- (05) Organism that shows a limited growth is
 - (i) Mango
 - (ii) Rose
 - (iii) Cow
 - (iv) Guava
- (06) The salty taste of sea water is due to
 - (i) Sodium Chloride
 - (ii) Calcium Chloride
 - (iii) Calcium Carbonate
 - (iv) Sodium Carbonate
- (07) The standard unit of measuring mass is
 - (i) Miligram
 - (ii) Kilogram
 - (iii) gram
 - (iv) centigram
- (08) The aim of the activity given is to show that
 - (i) Air Occupies a Space
 - (ii) Air has an ability to flow
 - (iii) Air has a mass
 - (iv) Air dissolves in water



- (09) Not a type of precipitation is
 - (i) Snow
 - (ii) Hail
 - (iii) Sleet
 - (iv) Springs
- (10) A material suitable to make wires is
 - (i) Graphic
 - (ii) Clay
 - (iii) Copper
 - (iv) Rubber
- (11) Not a use of micro organisms is
 - (i) Decay of dead organic matter
 - (ii) Food spoilage
 - (iii) To separate coir fiber in fiber industry
 - (iv) Coagulation / setting of milk

- (12) Similar Volumes of marine water, river water and brackish water are taken what is the correct statement regarding their mass?
- The highest mass can be seen in sample of marine water
 - The least mass can be seen in sample of brackish water
 - The mass of the sample of river water is the highest
 - The mass of all the above samples is equal.
- (13) The Organism who can't locomote, but shows movements only is
- Jelly fish
 - Sea anemone
 - Sea horse
 - Paramecium
- (14) The roughness or softness of an object is known as
- Brittleness
 - Texture
 - Malleability
 - Ductility
- (15) Not a factor caused water pollution is
- Removal of plastics and polythene to the water
 - Removal of household sewage to the water
 - Washing of Vehicles in water bodies.
 - Planting of trees near reservoirs
- (16) A type of energy is
- Air
 - Water
 - Wind
 - Electricity
- (17) Respiratory movements are not seen in
- Dog
 - Rat
 - human
 - Mango tree
- (18) This activity shows that X has
- definite Volume
 - definite Shape
 - Mass
 - Occupies a Space



- Has a definite Shape
- Has a definite Volume
- Has a Mass

The matter with above properties is a

- Liquid
 - Gas
 - Solid
 - None of the above
- (20) As a Student who studies science, You have to,
- Take care of the environment
 - Experiment on new inventions
 - Study Very well on eco systems
 - All of the above

Part II

- Answer any 03 Selected questions in the paper itself.

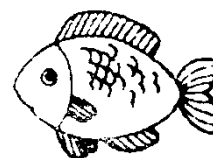
(01) Diagrams of 03 organisms are given below



A



B



C

(A)

- (i) Identify above organisms
A - B - C -
- (ii) Mention the habitat of above organisms
.....
- (iii) What is the group of organisms that 'B' belongs ?
.....
- (iv) What is the instrument suitable to which that 'B' organism ?
.....
- (v) Write 2 bad effects of group of organisms to observe 'B' belongs.
.....
.....
- (vi) Write a similarity and dissimilarity between 'A' and a mango plant
Similarity -
Dissimilarity -

(B)

- (i) What is the respiratory organ of 'C' ?
.....
- (ii) Is that similar with respiratory organ of Dolphin? Mention reasons for your answer.
.....
.....
- (iii) An activity conducted to test the gas present in exhaled air is given below.



- (a) Name the Solution X
.....
- (b) What is the observation of the given activity
.....
- (c) What is the conclusion drawn at the end of the activity?
.....

- (iv) Mention following gases exchanged during respiration
Inspiratory gas -
Expiratory gas -

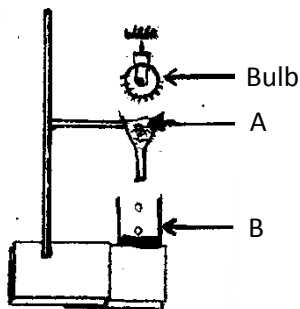
(02) Some of the specimens collected by student during a field trip is given below.

- * Mimosa Plant * Some jak seeds * wet sample of soil
- * Plant leaves with eggs of butterflies * Sample of pond water
- * An Earthworm * A Snail Shell

(A)

- 1) Write 2 things that to be taken during a field trip
(i) (ii)
- 2) Write 2 environmental conditions during a field trip
(i)
(ii)
- 3) Write 2 factors to be considered during a field trip
(i)
(ii)
- 4) Write 2 things that show nonliving properties though they are related with organisms.
(i)
(ii)
- 5) Mention a macro soil organism to be observed in soil sample
.....
.....

(B) A set up arranged by students to check the presence of microorganisms in above collected soil Sample given below



(i) Name A & B

A : -

B : -

(ii) What is the purpose of using of a lighted bulb ?

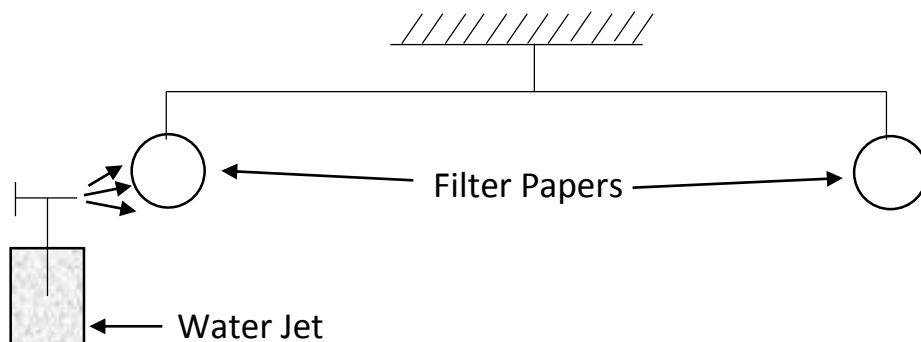
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(iii) How do you get the sample of water to observe micro organisms?

.....

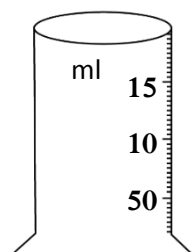
(iv) Classify the following organisms using a dichotomous key Rattle snake, Thiththaya, (fish), Pigeon, Butterfly.

(03) An activity conduct to test a feature of matter is given below



- (i) Which feature of the liquid matter is tested from above activity?
.....
- (ii) Draw a diagram to show the observation once after sprinkling of water
.....
- (iii) What can we use instead of filter papers, to show the present of same feature in gases?
.....
- (iv) What is the apparatus to be used to measure the mass of a soild substance at laboratory?
.....
- (v) How do we call the substances that do not occupy a space?
.....

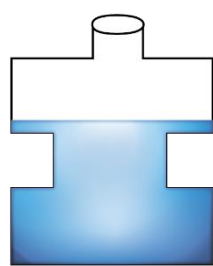
(C) The apparatus given below is used to measure volume of a liquid.



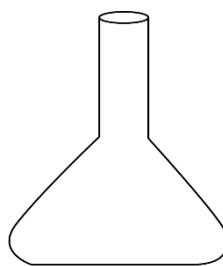
- (i) What is the name of the instrument given
.....
- (ii) Show the meniscus for 10 ml of a liquid in the instrument given
.....
- (iii) Fill in the blanks

Solid matter	Use	Special Feature
Gold	Making of jewellery	(a)
Iron	(b)	Hardness
(c)	Glass Cutting	Hardness
Rubber	(d)	Elasticity
Glass	To put into windows to get light	(e).....

(C) The liquid present in vessel A is put into vessel B



A



B

Write a factor that gets changed that doesn't get changed when all the water is poured into B

Factor that gets changed -

Feature that doesn't get change -

(04) Earth is seen in blue when it is observed from upper atmosphere as 70% of earth is covered by water
(A)

(i) Why do we call water as a limited resource?

.....

(ii) What is the consumable percentage of water in Earth?

.....

(iii) Complete the following table according to the physical states of water in nature.

Physical state

Example

i. Solid

i. Solid, Snow

ii.

ii.,

iii.

iii.,

(iv) Give 2 examples each for the existence of water in nature

Precepitation - i. ii.

Surface Water - i. Revers ii.

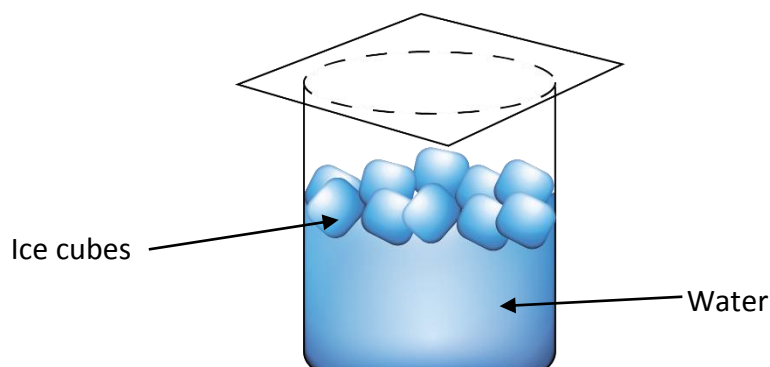
Ground water - i. ii. Well

(v) What is the feature considered in classifying water as marine water, Fresh water and brakish water?

.....

(vi) Write 03 uses of water

(B)



The set up given above is related to an activity conducted in laboratory

(i) What can you observe after few minutes.

(a) Inside the beaker -

(b) Outside the beaker -

(ii) What is the reason for the observation you made outside the beaker?

.....