

Shadley Public School

1 Revision Assignment (2019-20)

Science class IX

Qus-1 water as ice has a cooling effect, whereas water as steam may cause severe burns. Explain these observations.

Qus-2 Give Reasons (a) A wooden Table should be called <sup>solid</sup>

(b) Palm feel cold when we put acetone on it

(c) we wear cotton clothes in summer

Qus-3 Difference between Homogeneous / heterogeneous Element & Compound / Metals & non Metals

Qus-4 A solution of urea in water contains 18 gm of it in 140 gram of solution. Find out the mass percentage of solution

Qus-5 Calculate the no. of particles

(a) 48 gm of Na atoms (b) 16 gm of  $O_2$  molecules

(c) 0.4 mole of Carbon atoms

Qus-6 calculate the formula unit mass of  $ZnO$ ,  $H_2SO_4$ ,  $C_2H_5OH$ ,  $KOH$ ,  $C_2H_4$ ,  $Cl_2$

Qus-7 Briefly describe striated, smooth & Cardiac Muscle fibres. Draw the diagram also

Qus-8 Differentiate b/w Parenchyma, collenchyma & Sclerenchyma (with neat diagrams also)

Qus-9 With the help of graph derive relation

$$v = u + at$$

$$s = ut + \frac{1}{2} at^2$$

Qus-10 A car starts from rest with acceleration  $5 \text{ m/s}^2$  for 8 seconds. Find the final velocity of car.

Qus-11

Derive the mathematical Relation of Newton's Law of Motion

Qus-12 (a) Why <sup>Give Reasons</sup> does a driver & person seated in front seat need a seat belt

(b) A small mass such a bullet can kill a person when fired from gun

(c) A cricket player moves his hand backward while catching the ball.

(d) Some of the leaves get detached from a tree if we shake its branch

Qus-13

Write a note on Endoplasmic Reticulum, Golgi apparatus, Lysosomes & the functions they perform

Qus-14

Explain with the help of diagrams - How does an Amoeba take its food?

Qus-15 Carry out osmosis exp. with fair Peeled Potato & do exp each one. One is boiled Potato.

(a) Keep cup A empty

(b) Put ~~eg~~ sugar syrup in B, C, P

or write observation with suitable Reason

Qus-16

How are chromatin, chromatid & chromosomes related to each other?

Qus-17

Do you agree "A cell is building unit of an organism"? If Yes, Explain  
Draw a neat diagram of Plant cell & Animal cell

Qus-

Draw the labelled diagram of Mitochondria. Write the function also.