

EMMANUEL MISSION SR SEC SCHOOL, BEAWAR
ONLINE CLASSES
(21.08.2020)

CLASS - IX (Day 47)

Hindi : <https://youtu.be/D-venNmWwAE>

Mathematics : <https://youtu.be/7YE658X9ivI>

Science : Kindly see below

Social Studies : <https://youtu.be/dx7rMe1si0A>

CLASS - X (Day 56)

English : <https://youtu.be/IaVLagirc5c>

Hindi : <https://youtu.be/xm3rCxiqGII>

Science : Kindly see below

Social Studies : <https://youtu.be/ft4vCNwRtG0>

EMMANUEL MISSION SR SEC SCHOOL, BEAWAR
SCIENCE
CLASS – IX
Self Assessment
Lesson :- 2, 5 and 8

Answer the following questions :-

Chemistry part :-

1. Name the process used for separation
 - (a) Miscible liquids
 - (b) Immiscible liquids
 - (c) Butter from milk
 - (d) Separation of colours in dyes
 - (e) Camphor from camphor, sand and salt.
2. Classify the physical and chemical changes
 - a. Rusting of Iron
 - b. Bending of Copper rod
 - c. Draw a wire of Aluminium metal
 - d. Milk changes into curd
 - e. Salt solution
 - f. Cutting of wood into small pieces
3. Define Element and classified it. Write one properties of each classification and write two examples of each.

Biology part :-

4. What is the difference between diffusion and Osmosis ?
5. Which cell organelle is known as suicide bags and why ?
6. Write a short note on Nucleus.

Physics part :-

7. Define the terms and write it's S.I. unit.
 - (a) Velocity
 - (b) acceleration
 - (c) Displacement
 - (d) Uniform circular motion
8. Draw the graph
 - (a) Uniform acceleration
 - (b) Retardation of non – uniform acceleration
 - (c) At rest in acceleration
9. Derive the equation $v = u + at$ by graphical method.
10. A scooter acquires a velocity of 36 km/h in 10 seconds just after the start. Calculate the acceleration of the scooter.

EMMANUEL MISSION SR SEC SCHOOL, BEAWARE

SCIENCE

CLASS – X

Self Assessment – I

Lesson :- 1, 6 and 12

Answer the following questions

Chemistry part :-

1. Why do Copper vessel lose shine when exposed to air ? Write it's equation also
2. What happens when Zinc strip is dipped in CuSO_4 Solution? Give equation and Identify the type of reaction?
3. Compound 'X' decomposes to form Compound 'Y' and CO_2 gas compound 'Y' is used in manufacture of cement.
 - a. Name the compound X and Y
 - b. Write the chemical equation for this reaction

Biology part :-

4. Explain the three pathways of break down of glucose in living organisms
5. Write three types of blood vessels. Give two important feature of each.
6. Write the function of the following.
 - a. Saliva
 - b. HCl in Stomach.
 - c. Bile juice
 - d. Villi
 - e. Pepsin Enzyme
 - f. Lipase Enzyme

Physics part :-

7. Which is the better way to connect lights and other appliances in domestic wiring and why ?
8. (a) How and on what factors resistance are depend
(b) Write joule's law of heating, write it's expression also.
9. (a) Define ohms law :
(b) What would be new resistance if length of conductor is double and thickness is halved ?
10. Show how would you join three resistors, each of resistance 9 ohm so resistance of the combination is (i) 13.5 ohm (ii) 6 ohm ?