

- b) Why does an aqueous solution of an acid?
- c) Why does dry HCl gas not change the colour of the dry litmus paper?
- d) What is the name of the compound CaCl_2 ?
- e) Name the solution compound which is used for softening hard water?

Q. 6 Short answer type questions .

5 x 3 Marks

- a) Write an equation to show the reaction between plaster of Paris and water?
- b) Explain the meanings of malleable and ductile ?
- c) Why is sodium kept immersed in kerosene oil?
- d) Write equation for the reaction of iron with steam ?
- e) What are the ions present in these compounds?

Q 7 Long answer type questions. (any Five)

5 x 5 Marks

- a) Explain the bonding in carbon?
- b) Write the definition of organic compound and also explain its features ?
- c) Write the chemical properties of carbon compounds ?
- d) How many structural isomers can you see and draw for pentane?
- e) Explain the oxidation ?
- f) Explain the formation of coal as well as petroleum ?
- g) Explain the properties of ethanoic acid ?

Q.8 Explain the history of periodic table ?

05 Marks

Or

Define the types of chemical reaction with example ?