

Std. 8. General Science

Marks : 20

Ch.12 Properties of Substances

Duration : ½ hr.

Q1 Fill in the blanks [3 M]

1. In ----- a liquid changes into a gas.
a) evaporation b) expansion c) condensation
2. The mixture of salt and water is separated by -----
a) filtration b) distillation c) evaporation
3. The boiling point of iron is -----.
a) 2650°C b) 2750°C c) 2850°C

Q2 Answer in one sentence [3M]

1. State the factors due to which the rate of evaporation increases.
2. Where do you use fractional distillation?
3. Name the component of crude oil.

Q3 Give scientific reasons . [4 M]

1. A condenser has two caps.
2. At dawn, in winter, we see dew drops on the leaves of trees.

Q4 Distinguish between any ONE of the following.[2M]

1. Distillation and fractional distillation
2. Melting point and boiling point

Q5 Answer the following. [4 M]

1. Define the following : a) Melting point b) distillation
2. Which salt is obtained as a result of the chemical reaction between hydrochloric acid and sodium hydroxide ? Which method will you use to separate it from the salt solution?

Q6 Answer any ONE of the following. [4 M]

1. With a neat labeled diagram, explain how is drinking water obtained from sea water.
2. With neat labeled diagram , explain the process of separation of components of crude oil by fractional distillation.
