

FORTNIGHTLY ASSIGNMENTS ---CLASS-1X- JULY 2014

JULY-1----Submission date—19th July '14

Q.1 Identify the quantities applicable for the following symbols---

m^3 , K, Pa (Pascal), kg/m^3

Q.2 Convert the following temperatures to Celsius scale---

283K, 50K

Q.3 Write the most important value point for the following---

Give reason—Steam produces more severe burns in comparison to boiling water.

Q.4 Write the most important value point for the following---

Give reason---A desert cooler cools better on a dry summer day.

Q.5 What are the two necessary components of a solution?

JULY-2----Submission date—31st July '14

Q.6 Distinguish between a homogenous & heterogenous mixture on the basis of their composition.

Q.7 A mixture 'X' can be separated into its constituents easily with the help of ordinary filtration. Its components are distinctly visible with the help of naked eyes. Identify mixture 'X'.

Q.8 Write one example of each of the following---

'Solid in solid' solution, gas in gas solution, gas in liquid solution & solid in alcohol solution (non-aqueous solution)

Q.9 What causes 'Tyndall effect' ?

Q.10 The Chemistry teacher divided Batch H1 into group 'A' & 'B'.

Grp 'A' was instructed to determine the melting point of ice where as Grp 'B' was asked to determine the boiling point of water. After the completion of experiment they were advised to guide the other team mates & exchange their readings.

- a) State the melting point of ice & boiling point of water on a Kelvin Scale.**
- b) In your opinion, what value was the teacher trying to inculcate through her instructions.**
