

Physical Chemistry
1G (Liquid state)

- 1) What is internal pressure of a liquid?
- 2) What is vapour pressure of a liquid? Write the factors on which vapour pressure of a liquid depends on.
- 3) How vapour pressure varies with temperature?
- 4) Define boiling point of a liquid?
- 5) Why temperature of a boiling liquid does not rise although heating is continued?
- 6) Define surface tension, surface energy. What is the unit of surface tension?
- 7) Write the unit and dimension of surface energy?
- 8) How surface tension is related with temperature?
- 9) Why liquid droplets are spherical in shape?
- 10) Define surfactant.
- 11) Define viscosity with its dimension and unit. How viscosity of a liquid varies with temperature?
- 12) How does viscosity change with the change of temperature for (i) gas and (ii) liquid.
- 13) What do you mean by intensive and extensive properties? Give example?