

Khajra Adibasi Mahavidyalaya

B.Sc. Prog. Examination 2020, Semester-II

Internal Assessment.

Subject - Chemistry, Paper code - T2 (Inorganic + Physical).

F.M-10

Time - 30 min.

1. Answer any two of the following :- 5 × 2 = 10

a) i) what is the deviation of real gas from ideal behaviour?
ii) At what condition a real gas can behave like an ideal gas? (4+1)

b) i) Define surface tension.
ii) what is the dimension of surface tension & viscosity coefficient.
iii) what is the effect of temperature and pressure on coefficient of viscosity? (1+2+2)

c) i) write down the statement of Born-Landé equation for calculation of lattice energy.
ii) what is Born-Haber cycle? (4+1)