

SEM III CHEMISTRY (HONOURS) INTERNAL EXAMINATION 2021

PAPER CODE : CEMHT 5

Full Marks :10

Time : 30 mins

Date : 11/03/21

ANSWER ANY FIVE QUESTIONS:

2×5=10

- (1) In conc CdI_2 solution $t_{\text{Cd}^{+2}}$ is -ve, Why?
- (2) "In aqueous solution velocity of Li^+ is less than that of Na^+ though Li^+ is smaller in size"Explain.
- (3) Viscosity of liquid decreases with increase in temperature-why?
- (4) What is Newtonian fluid? What is laminar flow?
- (5) Define a perfect black body.
- (6) Calculate the energy of a photon associated with a wavelength 10^{-10} cm (given $h=6.625 \times 10^{-27}$ erg-sec)