

Gurudas College
Internal Assessment Examination, 2021
Subject-CEMA, SEM-VI
Paper- CC-6-14

Full Marks-10

Time-30 mins

Answer any five questions

5 × 2 = 10

- 1 “It is difficult to blow a balloon initially but becomes easier later on”---why?
- 2 What do you mean by wetting liquid and non-wetting liquid?
- 3 Write down Freundlich Adsorption Isotherm clearly mentioning the terms involved in it.
- 4(a) Give an example of surface-catalysed unimolecular decomposition.
(b) Write down the function of surfactant.
5. Why is phosphorescence generally seen at low temperature and in viscous medium?
6. Give the major determining factor for intensity of molecular spectroscopy.
7. How can we determine bond length of homo-nuclear diatomic molecule using molecular spectroscopy?
8. Give the unit of molar extinction coefficient and the factors on which it depends.