

Q-5	Attempt all questions	(14)
A	What are colligative properties? Explain any one property with its method.	7
B	Write in detail about enzyme catalysis.	7
Q-6	Attempt all questions	(14)
A	Discuss various methods of surface tension determination.	7
B	Write the differences between Physical adsorption and Chemical adsorption.	7
Q-7	Attempt all questions	(14)
A	What is refractive index? Write its importance in pharmacy and enlist the factors affecting it.	7
B	What is viscosity? How it is measured experimentally? Enlist the factors affecting it.	7
Q-8	Attempt all questions	(14)
A	Explain Debye-Huckel theory of strong electrolytes.	7
B	Differentiate between molecularity and order of a reaction. Explain why high molecularity reactions are very rare?	7

