

**SNS COLLEGE OF PHARMACY AND HEALTH SCIENCES
COIMBATORE**



QUESTION BANK

BP502T: INDUSTRIAL PHARMACY I

TOPIC: PREFORMULATION STUDIES

2 MARK QUESTIONS

S.No	Question	Asked In (Exam/Company)	Year
1	Define preformulation studies.	TNMGR	2019
2	State the goals of preformulation studies.	MRB Pharmacist	2020
3	What is meant by polymorphism?	RRB Pharmacist	2021
4	Define amorphous form of drugs.	TNMGR	2022
5	What is pKa?	Sun Pharma (Interview)	2023
6	Define partition coefficient.	Cadila Healthcare	2022
7	What is BCS classification?	RRB Pharmacist	2020
8	List types of physical forms of drugs.	Lupin Ltd	2021
9	What is hydrolysis reaction?	Pfizer	2022
10	Mention any two objectives of preformulation.	TNMGR	2021

**SNS COLLEGE OF PHARMACY AND HEALTH SCIENCES
COIMBATORE**



5 MARK QUESTIONS

S.No	Question	Asked In	Year
1	Explain physical properties studied in preformulation.	TNMGR	2020
2	Discuss particle size and its pharmaceutical significance.	MRB	2021
3	Explain solubility profile of drugs (pH, pKa).	RRB	2022
4	Write a note on polymorphism and its importance.	Sun Pharma	2023
5	Explain hydrolysis and oxidation as chemical instability.	Cadila	2021
6	Discuss flow properties of powders.	TNMGR	2022
7	Explain BCS classification system.	Lupin	2023
8	Write short notes on racemisation.	Pfizer	2020

**SNS COLLEGE OF PHARMACY AND HEALTH SCIENCES
COIMBATORE**



10 MARK QUESTIONS

S.No	Question	Asked In	Year
1	Explain preformulation studies, goals and objectives in detail.	TNMGR	2019
2	Describe physicochemical characteristics of drug substances.	MRB	2022
3	Discuss physical properties of drugs studied during preformulation.	TNMGR	2021
4	Explain chemical properties and degradation pathways of drugs.	RRB	2020
5	Describe BCS classification of drugs and its significance.	Sun Pharma	2023
6	Explain application of preformulation in solid dosage forms.	Cadila	2022
7	Discuss role of preformulation in liquid oral dosage forms.	Lupin	2021
8	Explain importance of preformulation in parenteral dosage forms and stability.	Pfizer	2022