

QUESTION BANK

BP302T B.PHARM: PHYSICAL PHARMACEUTICS-I

UNIT 1: SOLUBILITY OF DRUGS

S.NO	QUESTION TYPE	QUESTIONS	MAPPING TO TNMGRMU, GPAT, NIPER, VARIOUS PHARMA COMPANY WITH YEAR	BLOOM'S TAXONOMY
1	2-Marks	Define Refractive index.	TNMGRMU (Dec 2021, May 2024), GPAT (2021, 2024), NIPER (2021, 2024), Dr. Reddy's 2024	Remembering
2	2-Marks	Define Isotropy..	TNMGRMU (Dec 2023), GPAT (2023, 2024), NIPER (2023, 2024), Lupin 2023	Remembering
3	2-Marks	Partition coefficient	TNMGRMU (May 2022, Oct 2024), GPAT (2022, 2024), NIPER (2022, 2024), Aurobindo 2024	Remembering
4	2-Marks	Aerosols.	TNMGRMU (May 2022), GPAT (2022, 2023), NIPER (2022, 2023), Sun Pharma 2022	Remembering
5	2-Marks	Raoult's law.	TNMGRMU (May 2024), GPAT (2024), NIPER (2024), Cipla 2024	Remembering
6	2-Marks	Effect of co-solvents.	TNMGRMU (Dec 2023), GPAT (2023, 2024), NIPER (2023, 2024), Glenmark 2023	Remembering
7	2-Marks	Define Vapour pressure.	TNMGRMU (May 2022), GPAT (2022, 2023), NIPER (2022, 2023), Mylan 2022	Remembering
8	2-Marks	Define solvation and association.	TNMGRMU (Mar 2023, May 2024), GPAT (2023, 2024),	Remembering

			NIPER (2023, 2024), Abbott 2024	
9	2-Marks	Define super critical point.	TNMGRMU (Dec 2021), GPAT (2021, 2022), NIPER (2021, 2022), Maiva 2021	Remembering
10	2-Marks	Define latent heat	TNMGRMU (Dec 2021), GPAT (2021, 2023), NIPER (2021, 2023), Freedom Pharma 2021	Remembering
11	5-Marks	Discuss ideal gas equation.	TNMGRMU (Dec 2021, Mar 2023, Oct 2024), GPAT (2021, 2023, 2024), NIPER (2021, 2023, 2024), Lupin 2024	Understanding
12	5-Marks	Write a brief notes on Surfactants.	TNMGRMU (Dec 2021, May 2022, Dec 2023, Oct 2024), GPAT (2021, 2022, 2023, 2024), NIPER (2021, 2022, 2023, 2024), Sun Pharma 2024	Understanding
13	5-Marks	Explain dissociation constant and its application.	TNMGRMU (Dec 2021, Oct 2022, May 2024), GPAT (2021, 2022, 2024), NIPER (2021, 2022, 2024), Dr. Reddy's 2024	Applying
14	5-Marks	Discuss ideal gas equation.	GPAT (2022, 2023), NIPER (2022, 2023), Aurobindo 2023, Glenmark 2022	Understanding
15	5-Marks	Discuss about Spreading co-efficient.	TNMGRMU (Dec 2021), GPAT (2021, 2024), NIPER (2021, 2024), Cipla 2021	Analyzing
16	5-Marks	Describe chelates with its applications.	GPAT (2023, 2024), NIPER (2023, 2024), Mylan 2023, Abbott 2024	Applying
17	5-Marks	Write about different types of surfactant with examples.	TNMGRMU (Dec 2021), GPAT (2021,	Understanding

			2023), NIPER (2021, 2023), Lupin 2021	
18	10-Marks	Define solubility. Describe solubility expression. Write the factors influencing solubility of drugs.	TNMGRMU (Aug 2023), GPAT (2023, 2024), NIPER (2023, 2024), Sun Pharma 2023	Understanding
19	10-Marks	Define complexes. Classify the complexes with suitable examples. Write about the inclusion complexes.	TNMGRMU (Dec 2021), GPAT (2021, 2024), NIPER (2021, 2024), Dr. Reddy's 2021	Analyzing
20	10-Marks	Define surfactants. Explain classification of surfactants with suitable examples.	GPAT (2022, 2023), NIPER (2022, 2023), Aurobindo 2022, Glenmark 2023	Understanding
21	10-Marks	Explain briefly on distribution law and its limitations.	GPAT (2021, 2024), NIPER (2021, 2024), Cipla 2021, Lupin 2024	Understanding
22	10-Marks	Explain briefly about the various factors influencing solubility of Drugs.	GPAT (2023, 2024), NIPER (2023, 2024), Mylan 2023, Abbott 2023	Analyzing