

SNS COLLEGE OF PHARMACY AND HEALTH SCIENCES



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PHARMACEUTICS-I (BP103T)

UNIT II

TOPIC: Pharmaceutical Calculations, Powders & Liquid Dosage Forms

2 MARKS

S.No	Questions	Mapping from TNMGRMU / GPAT / DI / Interview	Bloom's Taxonomy
1	Define the metric system.	MGR Univ PYQ 2018; Viva	Remembering
2	Differentiate between imperial and metric systems.	GPAT 2019; Univ Exam	Understanding
3	Convert 1 grain into mg (approx.).	Pharmacist Exam; Viva	Applying
4	Define percentage strength (% w/v, % v/v).	MGR Univ PYQ 2020; GPAT 2017	Remembering
5	What is proof spirit?	MGR Univ PYQ 2021; Viva	Remembering
6	Define isotonic solution.	MGR Univ PYQ 2022; Pharmacist Exam	Remembering
7	Mention two methods for adjusting isotonicity.	GPAT 2018; Viva	Understanding
8	Define alligation.	MGR Univ PYQ 2019; GPAT 2020	Remembering
9	State freezing point depression constant (K_f) for water.	MGR Univ PYQ 2021; Interview	Remembering
10	What is geometric dilution?	MGR Univ PYQ 2020; Lab Viva	Understanding
11	Define powder.	MGR Univ PYQ 2018; GPAT 2019	Remembering
12	Classify powders with examples.	MGR Univ PYQ 2021; Pharmacist Exam	Understanding
13	Write two advantages of powders.	GPAT 2018; Interview	Understanding
14	Mention two disadvantages of powders.	MGR Univ PYQ 2020; Viva	Understanding
15	Give two examples of official simple powders.	MGR Univ PYQ 2022; GPAT 2020	Remembering
16	Define effervescent powder.	GPAT 2017; Pharmacist Exam	Remembering
17	What are hygroscopic powders? Give one example.	MGR Univ PYQ 2021; Viva	Remembering
18	Define eutectic mixture with one example.	MGR Univ PYQ 2019; Interview	Understanding
19	Mention any two uses of dusting powders.	GPAT 2020; Viva	Remembering
20	Define liquid dosage form.	MGR Univ PYQ 2022; GPAT 2018	Remembering
21	Mention two advantages of liquid	MGR Univ PYQ 2020; Interview	Understanding

PHARMACEUTICS-I|PHARMACEUTICAL CALCULATIONS, POWDERS & LIQUID DOSAGE FORMS|
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	dosage forms.		
22	Mention two disadvantages of liquid dosage forms.	GPAT 2019; Viva	Understanding
23	List two excipients used in liquid dosage forms.	MGR Univ PYQ 2021; Pharmacist Exam	Remembering
24	Define solubility enhancement.	MGR Univ PYQ 2018; GPAT 2020	Remembering
25	Name two co-solvents used to enhance solubility.	GPAT 2019; Interview	Remembering

5 MARKS

S.No	Questions	Mapping from TNMGRMU / GPAT / DI / Interview	Bloom's Taxonomy
1	Explain the alligation method with one worked example.	MGR Univ PYQ 2020; GPAT 2018	Applying
2	Describe proof spirit and convert 80% v/v alcohol into proof spirit.	MGR Univ PYQ 2021; Viva	Applying
3	Prepare an isotonic solution by freezing point method (show calculations).	MGR Univ PYQ 2022; Pharmacist Exam	Applying
4	Classify powders and discuss their advantages and disadvantages.	MGR Univ PYQ 2020; GPAT 2017	Understanding
5	Write short notes on effervescent, hygroscopic and eutectic powders.	MGR Univ PYQ 2019; Viva	Understanding
6	Explain geometric dilution with an example.	MGR Univ PYQ 2021; Lab Viva	Applying
7	List and explain roles of excipients in liquid dosage forms.	MGR Univ PYQ 2022; Interview	Understanding
8	Discuss solubility enhancement techniques (pH adjustment and co-solvents).	GPAT 2020; Pharmacist Exam	Analyzing

10 MARKS

S.No	Questions	Mapping from TNMGRMU / GPAT / DI / Interview	Bloom's Taxonomy
1	Discuss imperial and metric systems with percentage and alligation calculations.	MGR Univ PYQ 2020; GPAT 2018; Viva	Analyzing
2	Explain proof spirit and methods of preparing isotonic solutions.	MGR Univ PYQ 2021; Pharmacist Exam	Evaluating
3	Classify powders and explain effervescent, hygroscopic and eutectic mixtures with geometric dilution.	MGR Univ PYQ 2022; GPAT 2019; Viva	Evaluating
4	Describe excipients used in liquid dosage forms and solubility enhancement techniques with examples.	MGR Univ PYQ 2021; Interview	Analyzing

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5	Solve calculations based on alligation, proof spirit and isotonic adjustment.	MGR Univ PYQ 2022; GPAT 2020	Applying
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