

UNIT -2

TOPIC: MICROENCAPSULATION

QUESTION BANK

Serial Number	Questions Asked	Mapping from TNMGRMU/GPAT/MRB/Various Pharma Company with Year	Blooms Taxonomy Level
1	Define microencapsulation.	GPAT (Common topic, recurring)	Remember
2	Explain the difference between microcapsules and microspheres.	GPAT (Various years, conceptual)	Understand
3	Differentiate between microcapsules, microspheres, and microparticles.	Common in university exams	Understand
4	List the advantages of microencapsulation in pharmaceutics.	GPAT/Multiple choice based	Remember
5	Discuss the disadvantages or limitations of microencapsulation techniques.	Pharma interviews/General	Understand
6	Describe the coacervation-phase separation method of microencapsulation.	GPAT (Important method)	Understand
7	Explain the solvent evaporation method for preparing microcapsules.	GPAT (Common)	Understand
8	What is pan coating method in microencapsulation? Mention its applications and particle size range.	GPAT (Similar to 2013 questions)	Apply

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9	Describe the spray drying technique for microencapsulation.	Common in exams	Understand
10	Enumerate various methods of microencapsulation with examples.	University exams/GPAT	Remember
11	Discuss the applications of microencapsulation in controlled drug delivery.	GPAT/Pharma companies	Apply
12	Give pharmaceutical applications of microspheres and microcapsules.	GPAT (Recurring)	Apply
13	Which statements are correct concerning coacervation microencapsulation? (e.g., always leads to monophasic, etc.)	GPAT 2013	Analyze
14	What is the approximate particle size obtained by pan coating microencapsulation?	Similar to GPAT MCQs	Remember
15	Classify microencapsulation techniques as physical, chemical, and physicochemical.	Common question	Understand