



SNS COLLEGE OF PHARMACY AND HEALTH SCIENCES

Unit I – Pharmaceutical Microbiology

Complete Bloom's Taxonomy mapping for all 30 questions, with exam-body mapping (MGR, MRB, NIPER).

Part A – Short Answer (2 Marks)

No.	Question	Exam Mapping	Bloom's Level
1	Define microbiology.	MGR: 2019, 2021, 2023 MRB: ✓ NIPER: 2020	Remembering
2	Contributions of Louis Pasteur.	MGR: 2019, 2022 MRB: ✓ NIPER: 2021	Understanding
3	Prokaryotic vs. Eukaryotic cells (2 points).	MGR: 2020, 2023 MRB: ✓ NIPER: 2019, 2022	Understanding
4	Unique features of bacterial cell wall.	MGR: 2019, 2021 MRB: ✓ NIPER: 2020	Understanding
5	Simple staining dyes (2 examples).	MGR: 2020, 2022 MRB: ✓ NIPER: 2021	Remembering
6	Magnification and resolution.	MGR: 2019, 2021 MRB: X NIPER: 2020	Understanding
7	Mycolic acid (importance).	MGR: 2021 MRB: X NIPER: 2022	Applying
8	Fungi types (2 examples).	MGR: 2020, 2023 MRB: ✓ NIPER: 2019	Remembering
9	Functions of bacterial capsule.	MGR: 2022, 2024 MRB: ✓ NIPER: 2020	Understanding

10	Define virus; one difference from bacteria.	MGR: 2020, 2022 MRB: ✓ NIPER: 2021	Understanding
11	Principle of Gram staining.	MGR: 2019, 2021, 2023 MRB: ✓ NIPER: 2020	Understanding
12	Applications of electron microscopy.	MGR: 2020, 2024 MRB: X NIPER: 2021	Applying
13	Bacterial shapes with examples.	MGR: 2019, 2021 MRB: ✓ NIPER: 2022	Remembering
14	Aseptic technique (define & importance).	MGR: 2021, 2023 MRB: ✓ NIPER: 2020	Understanding
15	Examples of Acid-fast organisms.	MGR: 2020, 2022 MRB: ✓ NIPER: 2021	Remembering

Part B — Short Notes (5 Marks)

No.	Question	Exam Mapping	Bloom's Level
16	Scope & applications of microbiology in pharmacy.	MGR: 2019, 2021, 2023 MRB: ✓ NIPER: 2019	Applying
17	Acid-fast staining (principle & procedure).	MGR: 2020, 2022 MRB: ✓ NIPER: 2021	Understanding
18	Dark field & phase contrast microscopy.	MGR: 2019, 2023 MRB: X NIPER: 2020	Understanding
19	Bacterial growth curve.	MGR: 2020, 2024 MRB: ✓ NIPER: 2019, 2022	Analyzing
20	Gram staining (principle & procedure).	MGR: 2019, 2022 MRB: ✓ NIPER: 2020	Applying
21	Flagella (structure & functions).	MGR: 2020, 2023 MRB: ✓ NIPER: 2021	Understanding
22	Classification of bacteria (morphology).	MGR: 2021, 2024 MRB: ✓ NIPER: 2019	Understanding
23	Structure & types of fungi.	MGR: 2019, 2023 MRB: ✓ NIPER: 2020	Understanding
24	Simple & differential staining with examples.	MGR: 2020, 2022 MRB: ✓ NIPER: 2021	Applying

25	Cultivation of viruses.	MGR: 2019, 2021, 2023 MRB: ✓ NIPER: 2019, 2022	Applying
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Part C — Essay (10 Marks)

No.	Question	Exam Mapping	Bloom's Level
26	Ultra-structure of bacterial cell (draw & describe).	MGR: 2019, 2020, 2022, 2023 MRB: ✓ NIPER: 2021	Analyzing
27	Types of microscopy with diagrams.	MGR: 2019, 2021, 2024 MRB: X NIPER: 2020	Analyzing
28	Staining techniques & applications.	MGR: 2019, 2022 MRB: ✓ NIPER: 2021	Analyzing
29	Classification of microorganisms (bacteria, fungi, viruses).	MGR: 2020, 2023 MRB: ✓ NIPER: 2019	Analyzing
30	Contributions of pioneers (Pasteur, Koch, Lister, etc.).	MGR: 2019, 2021, 2022 MRB: ✓ NIPER: 2020	Evaluating