

PSG COLLEGE OF ARTS & SCIENCE (AUTONOMOUS)

MSc DEGREE EXAMINATION DECEMBER 2025
(Third Semester)

Branch – APPLIED MICROBIOLOGY

MEDICAL BACTERIOLOGY AND MYCOLOGY

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry **EQUAL** marks

$$(10 \times 1 = 10)$$

Cont...

SECTION - B (35 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks (5 × 7 = 35)

Module No.	Question No.	Question	K Level	CO
1	11.a.	Build the host-microbial interactions. (OR)	K3	CO3
	11.b.	How do you examine antibiotic sensitivity pattern of organism? Explain.		
2	12.a.	Identify the morphology and pathogenesis of <i>Clostridium</i> sp. (OR)	K3	CO3
	12.b.	Organize the general characteristic features and significance of <i>Actinomycetes</i> .		
3	13.a.	Categorize the epidemiology, laboratory diagnosis and treatment of <i>Neisseria</i> sp. (OR)	K4	CO4
	13.b.	Survey the morphology and pathogenesis of <i>Mycoplasma</i> sp.		
4	14.a.	Inference the life cycle and prophylaxis of <i>Epidermophyton</i> sp. (OR)	K4	CO4
	14.b.	Examine the pathogenesis and treatment of <i>Histoplasma</i> sp.		
5	15.a.	Criticize the infections of central nervous system. (OR)	K5	CO5
	15.b.	Appraise the infections of urinary tract region.		

SECTION - C (30 Marks)

Answer ANY THREE questions

ALL questions carry EQUAL Marks (3 × 10 = 30)

Module No.	Question No.	Question	K Level	CO
1	16	Distinguish the ground rules for collection and dispatch of clinical specimens microbiological diagnosis.	K4	CO4
2	17	Analyze the morphology, epidemiology, pathogenesis, laboratory diagnosis and prevention of <i>Bacillus</i> sp.	K4	CO4
3	18	Assess the epidemiology, pathogenesis, laboratory diagnosis and prophylaxis of <i>Salmonella</i> sp.	K5	CO5
4	19	Conclude the pathogenesis, epidemiology, diagnosis and treatment of <i>Tinea nigra</i> .	K5	CO5
5	20	Elaborate account on infections of lower and upper respiratory tracts.	K6	CO6