

www.FirstRanker.com/TIONAL BOWW/WOFirstRankeo.com

MICROBIOLOGY

PAPER-II

Time: 3 Hours Max. Marks: 100 MICRO/D/19/18/II

Important Instructions:

- Attempt all questions in order.
- Each question carries 10 marks.
- Read the question carefully and answer to the point neatly and legibly.
- Do not leave any blank pages between two answers.
- Indicate the question number correctly for the answer in the margin space.
- Answer all the parts of a single question together.
- Start the answer to a question on a fresh page or leave adequate space between two answers.
- Draw table/diagrams/flowcharts, wherever appropriate.

Write short notes on:

1.	Discuss pathogenesis, epidemiology and the High-Level Aminoglycoside Resistance (HLAR) in enterococci.	2+2+6
2.	Classify non-tuberculous mycobacteria (NTM). Discuss the pathogenicity, laboratory diagnosis and treatment of non-tuberculous mycobacteria.	3+(2+3+2)
3.	a) Aflatoxicosis.b) Changing epidemiology of mucormycosis.	5+5
4.	Enumerate causes of meningitis. Write in detail on laboratory diagnosis of bacterial meningitis.	3+7
5.	Write morphology, antigenic property, pathogenicity and laboratory diagnosis of infections caused by <i>Chlamydia</i> species.	1+2+2+5
6.	Briefly discuss the clinical features, pathogenesis, laboratory diagnosis and treatment of talaromycosis.	2+2+4+2
7.	Enumerates bacterial causes of sexually transmitted diseases. Describe pathogenesis and laboratory diagnosis of gonorrhea.	3+(3+4)
8.	Describe epidemiology of scrub typhus in India and its laboratory diagnosis.	3+7
9.	Hyalophyphomycosis: a) Define. b) Enumerate causative fungi. c) Laboratory diagnosis.	2+3+5
10.	Write briefly on antifungal susceptibility testing technique and the recent advances in the field of antifungal testing. Briefly describe about mechanisms of drug resistance in fungi.	(4+2)+4
