

DECEMBER 2017

www.FirstRanker.com MICROBIOLOGY

NATIONAW DO ATT PSO REXAMMENTATION IS

PAPER - II

Time : 3 hours MICRO/D/17/18/II

Max. Marks : 100

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:

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b)	State the methods of rapid diagnosis of tuberculosis along with the principle of each. Name methods of drug susceptibility tests for Mycobacterium tuberculosis. What is the lab diagnostic approach used in National TB Centre Program?	4+4+2
b)	Define CAMRSA and HAMRSA. Name the characteristic features of CAMRSA. What are the clinical implications of infections due to CAMRSA?	3+5+2
b)	Name the Mycoplasmas of human origin that are frequently detected in urogenital tract. Enumerate the various diseases caused by them. Laboratory diagnosis of urogenital infections caused by them.	2+5+3
,	Mention the methods of identification of non fermentative gram negative bacilli. State the epidemiological features of Burkholderia cepacia complex.	6+4
b)	Enumerate the methods of anaerobiasis along with the principle. What methods are used for the rapid identification of anaerobes? State the problem of antimicrobial resistance in anaerobes.	5+3+2
,	Mention the disease spectrum and laboratory diagnosis of candida infections. What are the methods of antifungal susceptibility tests used in yeasts?	6+4 P.T.O.



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7.	b)	Enumerate the infections caused by Aspergillus sp. What are the methods used for laboratory identification of Aspergillus sp? State the role of biomarkers in the diagnosis of invasive aspergillosis.	3+4+3	
8.	,	State the clinical disease spectrum and laboratory diagnosis of Sporothrix schenckii. Mention the Indian epidemiology of sporotrichosis.	6+4	
9.	b)	Name the causative agents of zygomycosis. Mention the clinical characteristics of patients presenting with zygomycosis. Enumerate methods of its laboratory diagnosis.	3+3+4	
10.	,	Name the non culture techniques for diagnosis of systemic fungal infections. Therapeutic drug monitoring in antifungal therapy.	5+5	

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