

Q.P. Code: 205001

Reg. No.:

**Second Professional MBBS Degree Supplementary Examinations
February 2021****Microbiology - Paper I**

Time: 2 Hours

Total Marks: 40

- Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space
- Answer all parts of a single question together • Leave sufficient space between answers
- Draw table/diagrams/flow charts wherever necessary

Essay:**(10)**

1. A 35 years old female patient was admitted to the hospital with low grade fever, loss of weight and appetite and chronic cough with expectoration for past 5 months. Microscopic examination of sputum revealed long, slender and beaded acid fast bacilli.

- What is your provisional diagnosis
 - What is the probable etiological agent
 - Describe the pathogenesis of this condition
 - Discuss the laboratory diagnosis in detail
 - Mention briefly about the drug resistance that can occur in this causative agent
- (1+1+3+3+2)

Short essay:**(2x5=10)**

2. Hot air oven
3. Name four tube agglutination tests. Describe in detail any one of them.

Short notes:**(10x2=20)**

4. Transport media
5. List four oxidase positive organisms
6. Plasmid
7. Name four different bacteria causing urinary tract infection
8. Disc diffusion method of antibiotic sensitivity testing
9. List toxin mediated infections of staphylococcus aureus
10. DPT vaccine
11. Non-suppurative diseases of streptococcus pyogenes
12. Nagler reaction
13. Halophilic vibrios
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