

PAPER CODE: 01203A
Second M.B.B.S. Examination Winter - 2020
MICROBIOLOGY - 1

Total Duration: Section A+B+C = 2 Hours

Section B & C Marks: 32

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Instructions:

- 1) Use blue/black ball point pen only.
- 2) Do not write anything on the blank portion of the question paper.
If written anything, such type of act will be considered as an attempt to resort to unfair means.
- 3) All questions are compulsory.
- 4) The number to the right indicates full marks.
- 5) Draw diagrams wherever necessary.
- 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper attempt is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.

7) Use a common answer book for section B & C:

SECTION - B (20 Marks)

2) Brief answer question (any five out of six): [5 x 4 = 20]

- a) Draw and explain the bacterial growth curve.
- b) Describe the fluorescent microscope.
- c) Describe laboratory diagnosis of pneumococcal pneumonia.
- d) Write in brief about biomedical waste disposal.
- d) Write about microbiological diagnosis of pulmonary tuberculosis.
- e) Describe laboratory diagnosis of diphtheria.

SECTION - C (12 Marks)

3) Long Answer Question (any two out of three) : [2x6=12]

- a) Describe mechanisms to acquire antimicrobial resistance in bacteria.
- b) Describe the pathogenesis of enteric fever. Explain the microbiological methods for laboratory diagnosis of enteric fever in a patient who comes in the 2 week of clinical presentation.
- c) Describe the serological tests for the diagnosis of syphilis.
