

**PAPER CODE: 01203A**  
**Second M.B.B.S. Examination, Summer (Phase - II) - 2019**  
**MICROBIOLOGY - I**

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

**Section B & C Marks: 32**

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**SECTION - B & SECTION C**

Instructions:

1) Use blue/black ballpoint pen only.

2) Do not write anything on the blank portion of the question paper.

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 the entire syllabus within the stipulated frame. The Question paper pattern 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" SAQ (20 Marks)**

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

- a) Enumerate different methods of bacterial classification. Explain any one of them.
- b) List various anaerobic media. Explain RCM in details.
- c) List methods of gene transfer in bacteria. Enumerate the difference between mutational and transferable drug resistance.
- d) Describe various virulence factors of *Yersinia pestis*.
- e) Laboratory diagnosis of *Mycoplasma pneumoniae* infection.
- f) Halophilic vibrios.

**SECTION C (12 Marks)**

3) Long answer question (any two out of three) [2X6=12]

- a) Define pyrexia of unknown origin (PUO). Describe different clinical presentations and laboratory diagnosis of PUO.
- b) Describe the common types of healthcare-associated infections (HAI) and describe various standard precautions to be taken to control HAI.
- c) Describe morphology and growth cycle of *Chlamydiae*. Add a note on Trachoma.

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