

PAPER CODE: 012034
Second MBBS Examination, Winter (Phase - III All Other
Remaining UG/PG Course) - 2019

MICROBIOLOGY Total Duration: Section A+B+C = 2 Hours ■ Section B & C Marks : 32

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MICROBIOLOGY - I

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SECTION-B & SECTION-C

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 centre 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) [5x 4=20]

- a) Halophilic vibrios
- b) Describe the laboratory diagnosis of Diphtheria.
- c) Enumerate various methods of gene transfer in bacteria & write a note on transposons.
- d) Bacterial flagella.
- e) Universal Safety Precautions (USPs).
- f) Prophylaxis against tetanus.

SECTION-"C"

LAQ (12 Marks)

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

- a) Define 'sterilization' and 'disinfection'. Describe the principle, use, and sterilization controls of an autoclave.
- b) Define Pyrexia of unknown origin (PUO). Enumerate organisms causing PUO. Describe the laboratory diagnosis of Enteric fever.
- c) Classify mycobacteria. Describe the laboratory diagnosis of pulmonary tuberculosis.
