

PAPER CODE: 01203B
Second MBBS, Examination, Winter (Phase -II All Other
Remaining UG/PG Course) - 2019
MICROBIOLOGY - II

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

Section B & C Marks : 32

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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.
Any 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.

SECTION -"B" SAQ (20 Marks)

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

- a) Define agglutination reactions and discuss its application in diagnostic Microbiology.

- b) Enumerate the various methods of transfer of genetic material in bacteria. Discuss the mechanism of any one of them.
- c) Discuss the pathogenesis of Polio. Write briefly on Pulse polio immunization programme.
- d) Discuss the viruses causing hemorrhagic fever. Discuss briefly Dengue hemorrhagic fever.
- e) Enumerate four opportunistic fungi. Discuss briefly the laboratory diagnosis of any one of them.
- f) Discuss briefly the laboratory diagnosis of malaria

SECTION - "C" LAQ (12 Marks)

3. Long answer question (any two out of three) : [2x6=12]

- a) Enumerate four intestinal nematodes. Describe life cycle, complications and laboratory diagnosis of *Ancylostoma duodenale*.
- b) Draw a labelled diagram of Human immunodeficiency virus (HIV). Describe serodiagnosis of HIV infection.
- c) Enumerate the causative agents of eumycetoma. Mention at least four differences between eumycetoma and actinomycetoma. Describe methods of sample collection in a case of mycetoma.
