

PAPER CODE: 01203A
Second M.B.B.S. (Old) Examination, Summer - 2021
MICROBIOLOGY-I

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

Section B & C Marks : 32

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Instructions:

- 1) Use blue/black ballpoint pen only.
- 2) Do not write anything on the blank portion of the question paper. Any written content on the blank portion will be considered 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 the 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 in any question paper. Students cannot claim that the question is out of syllabus as it is only for placement sake; the distribution has been done accordingly.
- 7) Use a common answer book for section B & C.

SECTION "B" (SAQ) (20 Marks)

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

- a) Write a note on contributions of Louis Pasteur to Microbiology.
- b) Enumerate the different methods of transmission of genetic material in bacteria and explain Transduction.
- c) Describe non-suppurative complications of Streptococcus pyogenes infections.
- d) Describe the Laboratory diagnosis of Bacterial endocarditis.
- e) Enumerate bacteria causing meningitis and write a note on the laboratory diagnosis of meningococcal meningitis.
- f) Write a note on lepra reaction.

SECTION-"C" (LAQ) (12 Marks)

3) Long Answer Question (any two out of three) [2X6= 12]

- a) Define pyrexia of unknown origin (PUO). Enumerate various infectious causes of PUO and write a note on laboratory diagnosis of enteric fever.
- b) Enumerate various bacterial causes of diarrhoea. Describe the pathogenesis and lab diagnosis of Cholera.
- c) Enumerate the organisms causing sexually transmitted diseases. Describe laboratory diagnosis of Syphilis.
