

Question Paper

Exam Date & Time: 05-Jan-2023 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

THIRD SEMESTER M.Sc. MLT (MICROBIOLOGY & IMMUNOLOGY) DEGREE EXAMINATION - JANUARY 2023
SUBJECT: MMLT 703.1 - SYSTEMATIC BACTERIOLOGY AND MYCOLOGY
(2018 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Classify Mycobacteria. Explain the mode of transmission, pathogenesis and laboratory diagnosis of pulmonary tuberculosis. Add a note on treatment. (20)
(3+2+6+6+3 = 20 marks)
- 2) Define and classify Mycetoma. Explain the mode of transmission, pathogenesis and laboratory diagnosis of Eumycetoma. Add a note on treatment. (20)
(2+2+2+6+6+2 = 20 marks)
- 3A) Explain the etiology, pathogenesis and clinical manifestations of syphilis. (10)
(2+2+6 = 10 marks)
- 3B) Explain the infections caused by E. coli. Add a note on laboratory diagnosis (10)
(6+4 = 10 marks)
- 3C) Explain the laboratory diagnosis of Dermatophytosis. (10)
- 3D) Explain the virulence and pathogenesis of candidiasis. (10)
- 4A) Explain Catalase test and Coagulase test. (5)
- 4B) Explain the pathogenesis and Clinical manifestations of diphtheria. (5)
- 4C) Explain slide culture method. (5)
- 4D) List and explain ANY TWO mycotoxins. (5)

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