



RAN - 1903000202030072

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F.Y.B.Sc (MLT) (Sem. II) Examination April - 2023

Medical Laboratory Technology (Paper - MLT - 04)

Introduction to Microbial World

Time: 2 Hours]

[Total Marks: 50

સૂચના : / Instructions

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નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

F.Y.B.Sc (MLT) (Sem. II)

Name of the Subject :

Medical Laboratory Technology (Paper - MLT - 04)
Introduction to Microbial World

Subject Code No.: 1903000202030072

Seat No.:

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Student's Signature

- (2) Illustrate your answers with diagrams wherever necessary.
(3) Figures to the right indicate the marks allotted to the questions.

Q. 1 Objective type Question.

(08)

- 1) Define microbiology and medical microbiology.
- 2) Define protozoa with examples.
- 3) Explain cultivation of rickettsia in brief.
- 4) What is bacteriophage ? Give its examples.

Q. 2 Write in details on the following (Any two)

(14)

- 1) Explain role of Louis Pasteur in disproving spontaneous generation theory.
- 2) Explain cultivation & pathogenic significance of Chlamydia.
- 3) Explain general structural properties of viruses.

Q.3 Write in details on the following (Any two) (14)

- 1) Explain internal structures of eukaryotic cell.
- 2) What is actinomycete? Explain it in detail.
- 3) Write a note on viruses and cancer.

Q.4 Write in details on the following (Any two) (14)

- 1) Enlist phenotypic characteristics for microbial identification. Explain any one in detail.
 - 2) Write a note on yeast.
 - 3) Explain structure & pathogenic significance of mycoplasma.
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