


RAN-2003000205020071
T.Y.B.Sc. (Sem. - V) Examination October - 2025
Medical Laboratory Technology (MLT- 11 Bacteriology and Virology)
Time: 2 Hours]
[Total Marks: 50

સૂચના : / Instructions (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fill up strictly the above details on your answer book (2) Q.1 is a compulsory question. (3) Draw diagrams wherever necessary. (4) Figures to the indicates the marks allotted to the questions.	Seat No.: Student's Signature
--	--

- Q. 1 Answer in one or two sentences each: 8**
1. State the normal flora of skin and GI tract.
 2. Explain the mechanism of pertussis toxin.
 3. What is the mode of transmission of Hepatitis B virus?
 4. What is enteric fever?
- Q. 2 Attempt the following: (Any Two): 14**
1. Describe the causative agent and pathogenesis of syphilis disease.
 2. Discuss the Epidemiological methods employed for epidemiological studies.
 3. Write a brief note on tetanus.
- Q. 3 Describe the causative agent, pathogenesis and laboratory diagnosis of any one of the following: 12**
1. Tuberculosis
 2. AIDS
- Q. 4 Write short notes on:(Any Two): 16**
1. Antimicrobial sensitivity tests
 2. Urinary tract infections
 3. Polio-myelitis