



RAN-2103000206020076

T.Y.B.Sc. (Sem. VI) Examination September - 2025

Medical Laboratory Technology

MLT - 22 Recent Advance in Diagnostic Technique

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:

T.Y.B.Sc. (Sem. VI)

Name of the Subject :

Medical Laboratory Technology MLT - 22 Recent
Advance in Diagnostic Technique

Subject Code No.: 2103000206020076

Seat No.:

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Student's Signature

- (2) Figures to the write indicate the full marks of the questions.
(3) Draw the figures wherever necessary.

Q-1. Answer in short on the following: (Any 4)

(08)

- Give application of computer assisted imaging.
- Give uses of RIA.
- What is genotyping method?
- Give uses of microarray.
- What are the advantages of automation?

Q-2. Attempt any two the following:

(14)

- Explain the principle and use of FISH in detail.
- Give detail on automation used in hematology.
- Give detail on RFLP technique.

Q-3. Attempt any two of the following: (14)

- (a) Explain the principle and application of Southern Blotting.
- (b) What is ELISA? Explain Sandwich and Competitive ELISA.
- (c) Explain automation in microbiology.

Q-4. Write short notes on any two of the following: (14)

- (a) Microarray Technique.
 - (b) PCR and its types.
 - (c) Continuous flow analyzer.
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