



RAN - 2103000206020076

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

MLT-22 : Recent Advance in Diagnostic Techniques

[Total Marks: 50

सूचना : / Instructions

(१)

नीचे दशाविले निशानीवाणी विगतो उत्तरवही पर अवश्य लખवी.
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 :

MLT-22 : Recent Advance in Diagnostic Techniques

Subject Code No.: **2103000206020076**

Seat No.:

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| Student's Signature |
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- Q. 1. Answer the following in short: (Any four) 08**
1. What is blotting? Give its types.
 2. What is computer assisted imaging?
 3. Enlist the components of flow cytometry.
 4. Semi autoanalyzer v/s fully autoanalyzer.
 5. Give full form and applications of RFLP.
- Q. 2. Write in details on the following (Any two) 14**
1. What is PCR? Explain types of PCR in detail.
 2. Explain principle, procedure and applications of FISH.
 3. What is ELISA? Give its types. Explain sandwich ELISA in detail.
- Q. 3. Write in details on the following (Any two) 14**
1. Give types of typing method. Explain genotyping method in brief.
 2. Explain fluoro immuno assay in detail.
 3. Explain automated semen analyzer in detail.
- Q. 4. Write short note on the following (Any two) 14**
1. Karyotype analysis
 2. Immunoblotting
 3. BECTEK