

**RAN-2203230201090001****P.G.D.M.L.T. (Sem. I) Examination March - 2026****P.G.D.M.L.T. - 1009 A : Instrumentation And Techniques****Time: 2 Hours]****[Total Marks: 30****સૂચના : / Instructions**

- (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the above details on your answer book.

Seat No.:

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Student's Signature

Q.1. Answer in short (Any SIX)**06**

1. Write example of reference electrode.
2. What is RCF?
3. Write full form of PAGE
4. Define Electrophoresis.
5. Write formula to find Rf value.
6. Which gel are used in Gel filtration chromatography?
7. What is target molecule in Western blotting and Northern blotting techniques??
8. Enlist working principles of Biochemistry analyser.

Q.2. Write Short note on any FOUR of the following**24**

1. Phototube and Photomultiplier tube as a detector
2. Types of Biochemistry analyser
3. pH meter
4. SDS PAGE
5. PCR Types : Application, Advantages and Disadvantages
6. DNA blotting technique