

2203230201090001
EXAMINATION NOVEMBER 2024
POST GRADUATE DIPLOMA IN MEDICAL LABORATORY
TECHNOLOGY (FIRST SEMESTER)
INSTRUMENTATION AND TECHNIQUES - LEVEL 9

[Time: As Per Schedule]

[Max. Marks: 30]

Instructions:

1. Fill up strictly the following details on your answer book

- a. Name of the Examination : **POST GRADUATE DIPLOMA IN MEDICAL LABORATORY TECHNOLOGY (FIRST SEMESTER)**
- b. Name of the Subject : **INSTRUMENTATION AND TECHNIQUES - LEVEL 9**
- c. Subject Code No : **2203230201090001**

2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.

Seat No:

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Student's Signature

Q.1 Answer in short. (Any six)

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1. Write full form and definition of pH.
2. Write components of Centrifuge
3. Write 2 applications of spectrophotometer.
4. Define chromatography.
5. Which supporting medias used in electrophoresis?
6. Define electrophoresis.
7. What is use of NAAT-PCR.
8. Write 2 advantages of Autoanalyzer?

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

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1. Centrifuge: Principle, Components, operation and use.
2. Principle of Electrophoresis
3. Monochromator of spectrophotometer
4. PAGE
5. Paper Chromatography
6. Nucleic acid blotting technique
