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RAN-2203230201010001

Post Graduate DMLT (Sem. - I) Examination March - 2025

Medical Laboratory Technology Fundamentals

Time: 3 Hours]

[Total Marks: 70

સૂચના : / Instructions

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

Post Graduate DMLT (Sem. - I)

Name of the Subject :

Medical Laboratory Technology Fundamentals

Subject Code No.: **2203230201010001**

Seat No.:

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Student's Signature

- (2) All questions are compulsory.
(3) Draw diagrams wherever necessary

Q. 1. Answer in short (Any seven)

14

1. Enlist the usual causes of fire in a lab.
2. What is PHC? What is its role in public health care?
3. Enlist the types of charts used in a lab for quality control?
4. Give full form of NABL. What is its role in lab?
5. Enlist biosafety 1 levels recommended by CDC.
6. What is a strong acid? Give 2 examples.
7. Define Normality and Molarity.
8. What is Standard deviation?

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

14

1. Enlist the tests commonly requested in the laboratories of India.
2. Explain organization of clinical laboratories with regards to different departments.
3. ISO accreditation - scope and objectives

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[P.T.O.]

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- Q. 3. Write Short note on any TWO of the following 14**
1. Explain biological hazards in a medical lab & explain infection and safety points in detail.
 2. What is BMW? Explain its Classification.
 3. Discuss first-aid measures with burn and injuries due to broken glass.
- Q. 4. Write Short note on any TWO of the following 14**
1. What is Reagent grade water? Discuss its CLSI specifications of its types and use.
 2. What is chromic acid? Why and how is it used for cleaning laboratory glassware?
 3. Which are the various types of solutions used in a laboratory? Explain preparation of any 2 in detail.
- Q. 5. Write Short note on any TWO of the following 14**
1. Accuracy and precision
 2. Define: Error. What are sources of pre-analytical errors in laboratories?
 3. LJ Chart
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