



RAN - 2003000205020075

RAN-2003000205020075

B.Sc. (Med. Lab. Tech.) (Sem. V) Examination November - 2023

MLT-15 - Clinical Laboratory Instrumentation

Set - II

Time: 2 Hours]

[Total Marks: 50

સૂચના : / Instructions

(૧)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.

Fill up strictly the details of signs on your answer book

Name of the Examination:

B.Sc. (Med. Lab. Tech.) (Sem. V)

Name of the Subject :

MLT-15 - Clinical Laboratory Instrumentation
Set - II

Subject Code No.: 2003000205020075

Seat No.:

--	--	--	--	--	--

Student's Signature

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

Q. 1 Answer the following:

(08)

1. What do you understand by monochromatic light? What is used as monochromator in spectrophotometer?
2. Five full form of SDS. What is the role of SDS in electrophoresis?
3. Define Isotope. Enlist its biochemical applications
4. Give full form of HPTLC. Which support media are used?

Q-2 Attempt any TWO of the following

(14)

1. Discuss principle, construction and application of flame photometer
2. Gamma counter
3. Explain Ion Exchange chromatography. What is its biochemical use?

Q-3 Write an essay on any ONE of the following. (14)

1. State the principle of Electrophoresis. Discuss PAGE, alongwith its merits and applications.
2. Explain principle, components and laboratory applications of colorimeter

Q-4 Write short notes on any TWO (14)

1. Paper chromatography
 2. Fluorimeter
 3. Radioisotopes
-