



DF-1495

**M. Sc. (MLT) (Sem. III) Examination**  
**March / April – 2016**  
**MLT-301 : Instrumentation & Biostatistics**  
*(Biochemistry)*

Time : 3 Hours]

[Total Marks : 70

**Instructions :**

(1)

नीचे दृष्टावेक निशानीवाणी विगतो उत्तरवही पर अवश्य लिखवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="checkbox"/> M. SC. (MLT) (SEM. III)	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="checkbox"/> MLT-301 : INSTRUMENTATION & BIostatISTICS	<input type="text"/>
Subject Code No. : <input type="text"/> 1 <input type="text"/> 4 <input type="text"/> 9 <input type="text"/> 5	<input type="text"/>
Section No. (1, 2,.....) : <input type="text"/> Nil	
	Student's Signature

(2) Draw figures whenever necessary.

1. Write in brief: any two

2 x 9 = 18

- Principle, techniques and uses of Atomic absorption spectroscopy
- Principle, techniques and uses of SDS - PAGE electrophoresis
- Enumerate the different radio isotopes and their application in medical field

2. Write in brief: any two

2 x 9 = 18

- Principle, techniques and applications of Affinity chromatography
- Principle, techniques and applications of Paper chromatography
- Principle, techniques and applications of Two dimensional electrophoresis

3. Write short notes: any three

3 x 6 = 18

- Techniques and applications of ELISA
- Principle and applications of HPLC
- Techniques and applications competitive Radioimmunoassay (RIA)
- Applications of computer in clinical laboratory

4. Write in one to two sentences: any four

4 x 4 = 16

- Enumerate the uses of electrophoresis?
- Usefulness of data analysis
- What is standard deviation?
- Significance of student 't' test
- Principle of electrolyte analyzer