



DF-1494

M. Sc. (Sem. III) (Microbiology) Examination
March / April - 2016

MLT - 301 : Instrumentation & Biostatistics

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दशांशविक लिखनीवाणी विगतो उत्तरवडी पर अवश्य लिखनी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="text" value="M. SC. (SEM. III) (MICROBIOLOGY)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="MLT - 301 : INSTRUMENTATION & BIostatistics"/>	<input type="text"/>
Subject Code No. : <input type="text" value="1"/> <input type="text" value="4"/> <input type="text" value="9"/> <input type="text" value="4"/>	Section No. (1, 2,.....) : <input type="text" value="Nil"/>
Student's Signature	

(2) Draw figures whenever necessary.

1. Write in brief: any two

2 x 9 = 18

- Principle and applications of various types of electrophoresis.
- Principle and illumination system of compound microscope.
- Principle and Applications of digital pH meter.

2. Write in brief: any two

2 x 9 = 18

- Principle and applications of various types of centrifuge.
- Principle and applications of asbestos and candle filters.
- Principle and applications of electron microscopy.

3. Write short notes: any three

3 x 6 = 18

- Applications of Hot air oven
- Applications of PCR
- Fumigator for air sterilization
- Role of Biostatistics in laboratories

4. Write in one to two sentences: any four

4 x 4 = 16

- a) What is use of data analysis?
 - b) What is frequency curve?
 - c) What is Null hypothesis?
 - d) What is the significance of p value?
 - e) What is chi square test?
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