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Total No. of Pages : 01

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**M.Sc. MLS (Biochemistry) (2018 Batch) (Sem.-3)**  
**STATISTICS AND CLINICAL BIOCHEMISTRY LABORATORY**  
**MANAGEMENT**

**Subject Code : MMLT-303-18**

**M.Code : 76878**

**Time : 3 Hrs.**

**Max. Marks : 50**

**INSTRUCTIONS TO CANDIDATES :**

1. Attempt any FIVE questions out of EIGHT questions.
2. Each question carries TEN marks.

- 1) What is Standard Deviation? Discuss its significance and give its importance in medicine.
- 2) a) Give a detailed view on collection, preservation and transportation of clinical samples.  
b) Write a short note on classification of data.
- 3) What is test for ANOVA? Explain with the help of an example.
- 4) Give a detailed note on the protocol development for accreditation of clinical biochemistry laboratory.
- 5) Explain what is Quality Control? Discuss various components of quality management.
- 6) What is Radioactivity? Discuss in detailed storage, handling and disposal of radioactive materials.
- 7) Write notes on:
  - a) Storage of chemicals
  - b) Null hypothesis
- 8) What is the difference between Pearson and Spearman correlation? How do you calculate rank in Spearman rank correlation? Give an example.

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**