

QP Code : 101383

Reg . No.....

**First Year M.Sc. MLT Degree Examinations – September 2016  
(Biochemistry)**

PAPER – I GENERAL BIOCHEMISTRY & CHEMISTRY OF BIOMOLECULES

**Time : 3 hrs.**

**Max. marks : 100**

- *Answer all questions*
- *Draw diagrams wherever necessary*

**Essays:**

**(10x10 = 100)**

1. Discuss water as a universal solvent.
2. Explain the structure and functions of mucopolysaccharides.
3. Discuss the structure – function relationship of proteins.
4. Describe the structure and functions of the different types of RNAs.
5. What is chromatography. Discuss in detail about thin layer chromatography.
6. Classify proteins based on their function and discuss about denaturation of proteins.
7. Explain the principle, components and working of atomic absorption spectrophotometer.
8. Discuss the different types of classification of fatty acids and discuss about trans fatty acid.
9. Discuss about the anticoagulants used in blood collection and discuss the changes that occur in blood on keeping.
10. Describe the structure of bio membrane and add a note on various transport processes across the bio membrane.

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