

**QP CODE: 103012**

**Reg No:.....**

**First Year B.Sc MLT Degree Supplementary Examinations  
February 2019**

**Biochemistry**

**(Common for 2010 and 2015 Scheme)**

**Time: 3 Hours**

**Total Marks: 100**

- Answer all Questions.
- Draw Diagrams wherever necessary.

**Essay**

**(2x10=20)**

1. Discuss the structure and functions of bio membrane and add a note on passive transport mechanisms.
2. Classify lipids and add a note on function of lipids.

**Short notes**

**(10x5=50)**

3. Centrifuge.
4. Oxidation of glucose.
5. Absorption of proteins.
6. Mucopolysaccharides.
7. Laws of light absorption.
8. Functions of nucleotides.
9. Color reaction of amino acids.
10. Henderson- Hasselbach equation.
11. Use of radioactivity in treatment.
12. Disinfectants used in clinical laboratories

**Answer briefly**

**(10x3=30)**

13. Lecithin.
14. Lysosomes.
15. Iodine number.
16. Urine preservatives.
17. Molarity of a solution.
18. Laboratory first aid kit
19. Preparation of normal saline.
20. Composition of glass used in laboratory glassware.
21. Difference between colorimeter and spectrophotometer.
22. Precautions to avoid hemolysis during sample collection

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