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Total No. of Pages : 01

Total No. of Questions : 08

M.Sc. MLS (Biochemistry) (2018 Batch) (Sem.-1)  
**ANALYTICAL AND PHYSICAL BIOCHEMISTRY**  
Subject Code : MMLT-102-18  
M.Code : 75410

Time : 3 Hrs.

Max. Marks : 75

INSTRUCTIONS TO CANDIDATES :

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

- 1) Give a detailed note on Henderson-Hasselbalch equation.
- 2) Write a short note on :  
a) Redox Potential      b) ELISA
- 3) Discuss in detail various types of transport systems which carry the molecules across the membrane.
- 4) Describe in detail mechanism of protein folding in terms of free energy changes.
- 5) Write detailed notes on viscosity. Discuss its biomedical importance.
- 6) What is the role of haemoglobin in maintaining the buffer system of our blood? Discuss.
- 7) Write detailed notes on Heterogeneous enzyme immunoassay.
- 8) Write a short note on :  
a) Metabolic acidosis      b) Osmotic Crisis

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