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Total No. of Pages : 01

Total No. of Questions : 08

M.Sc.(MLT) (Biochemistry) (2015 to 2017) (Sem.-1)**ANALYTICAL & PHYSICAL BIOCHEMISTRY****Subject Code : MMLT-101****Paper ID : [E1207]****Time : 3 Hrs.****Max. Marks : 100****INSTRUCTION TO CANDIDATES :**

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

- 1) a) What is dialysis? Discuss its various applications.
b) Write a short note on activity coefficient.
- 2) Write short notes on:
a) Entropy
b) Metabolic acidosis
- 3) What is the role of biological oxidation in living system? Discuss in detail.
- 4) Describe in detail active and passive transport. Explain with the help of some examples.
- 5) What is ELISA? Discuss various types of ELISA and their applications.
- 6) Write notes on:
a) pH
b) Applications of Radio Immuno assay (RIA)
- 7) a) What is buffer? Discuss their mechanism of action.
b) Write a short note on chemiluminescence.
- 8) Discuss about non isotopic Immuno assays.