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Total No. of Pages : 01

Total No. of Questions : 08

M.Sc. MLT (Biochemistry) (2015 to 2017) (Sem.-2)**ENZYMES AND METABOLISM-II****Subject Code : MMLT-202****Paper ID : [E1237]****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) Write a detailed note on mechanism of ATP synthesis.
- 2) Write short notes on :
 - a) Cori's disease
 - b) Aminoaciduria
- 3) What is gout? Discuss various genetic defects in urate metabolism.
- 4) Describe in detail the molecular mechanism of sickle cell anemia.
- 5) Discuss in detail biosynthesis of Inosine mono phosphate.
- 6) Write notes on :
 - a) Ketone body synthesis
 - b) Role of G₆PD in RBCs
- 7)
 - a) Discuss in detail the principle and application of hemoglobin electrophoresis.
 - b) Write a short note on errors in lipid metabolism.
- 8) Write a detailed note on hemoglobinopathies.