

Roll No. 

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Total No. of Pages : 01

Total No. of Questions : 08

M.Sc. MLS (Biochemistry) (2018 Batch) (Sem.-1)

INTERMEDIARY METABOLISM-I

Subject Code : MMLT-104-18

M.Code : 75412

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) Describe in detail EM pathway along with its energetics and regulation.
  - 2) Explain various enzymes, coenzymes and electron carriers involved in biological oxidation.
  - 3) Discuss in detail biosynthesis of fatty acids.
  - 4) Write a detailed note on malate/glycerophosphate shuttle and its importance.
  - 5) Explain the Pyruvate dehydrogenase complex.
  - 6) Describe biosynthesis and importance of prostaglandins.
  - 7) Describe Cori's Cycle along with its significance.
  - 8) Enumerate the ketone bodies. Describe the formation and fate of ketone bodies. Add a note on ketosis.

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.