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Total No. of Pages: 01

Total No. of Questions: 08

M.Sc. (MLS) - Biochemistry (Sem. – 2)

INTERMEDIARY METABOLISM-II

Subject Code: MMLT-203-18

M Code: 76191

Date of Examination: 16-12-2022

Time: 3 Hrs.

Max. Marks: 70

INSTRUCTIONS TO CANDIDATES:

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

1. Describe urea cycle. Add a note on disorders of ureacycle.
2. Explain denovo synthesis of pyrimidine nucleotides along with its regulation.
3. Write detailed notes on:
 - a) Post-transcriptional modifications
 - b) Lesch- Nyhan Syndrome
4. Describe formation and fate of bilirubin with its clinical conditions.
5. Describe in detail the mechanism of sickle cell anemia. Discuss various testsconducted for its diagnosis.
6. Describe glycine metabolism.
7. Write notes on:
 - a) Maple syrup urine disease
 - b) Structure of Hemoglobin
8. Define porphyries. Classify. Give examples for each class. Write clinical and biochemical abnormalities of each.

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.