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Total No. of Pages : 02

Total No. of Questions : 08

M.Sc. MLS (Biochemistry) (2018 Batch) (Sem.-2)

CLINICAL BIOCHEMISTRY-I

Subject Code : MMLT-202-18

M.Code : 76190

Date of Examination : 07-07-21

Time : 2 Hrs.

Max. Marks : 70

INSTRUCTIONS TO CANDIDATES :

1. Attempt any FIVE question(s), each question carries 14 marks.

- 1) Discuss briefly various diseases associated with inborn errors of metabolism.
- 2) Describe in detail how sugar level is maintained in blood? Discuss various disorders of carbohydrate metabolism.
- 3) Write notes on :
 - a) Recombinant enzymes
 - b) Galactosemia
- 3) What is gene knockout? Discuss principle, technology and limitations of gene therapy.
- 4) What are drugs? Discuss their molecular mechanism of action.
- 5) Write a detailed note on the scope of clinical biochemistry laboratory in diagnosis.
- 6) Write notes on :
 - a) Cytokines
 - b) Gout
- 7) a) Give a detailed note on phytochemicals of therapeutic value.
b) Write a short note on Pharmacogenomics.
- 8) Write notes on :
 - a) Sphingolipidosis
 - b) Purine synthesis

Note: Any student found attempting answer sheet from any other person(s), using incriminating material or involved in any wrong activity reported by evaluator shall be treated under UMC provisions.

Student found sharing the question paper(s)/answer sheet on digital media or with any other person or any organization/institution shall also be treated under UMC.

Any student found making any change/addition/modification in contents of scanned copy of answer sheet and original answer sheet, shall be covered under UMC provisions.