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Total No. of Pages: 01

Total No. of Questions: 08

Master of Science in Medical Laboratory Science - Biochemistry (Sem. – 2)

CLINICAL BIOCHEMISTRY-I

Subject Code: MMLT-202-18

M Code: 76190

Date of Examination: 14-12-2022

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 galactose metabolism. Discuss disorders associated.
2. a) What do you mean by gene therapy? Discuss in detail the protocol employed in gene therapy.
b) Write a note on normal and abnormal constituents of body fluids.
3. Write detailed notes on:
a) Recombinant enzymes
b) Orotic acid uria
4. Describe glucose tolerance test (GTT). What conditions it is altered? Write about glycosurias.
5. Write detailed notes on:
a) Pharmacogenomics
b) Drug detoxification
6. Write a detailed note on the use of phytochemicals as therapeutic agents.
7. Write notes on:
a) Keto-acidosis
b) Renin-Angiotensin system
8. Discuss the metabolism of tyrosine. What are biologically important compounds formed from tyrosine? Add a note on alkaptonuria.

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.