Roll No. | | | | | | | | | | | | | Total No. of Pages : 02

Total No. of Questions : 09

B.Sc.(MLS) (2014 to 2017) (Sem.–4)

CLINICAL BIOCHEMISTRY-I

Subject Code : BMLS-405

M.Code : 48120

Time : 3 Hrs. Max. Marks : 60

INSTRUCTION TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students has to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students has to attempt any TWO questions.

SECTION-A

1) Answer briefly :

a) What is the basic principle of disposal of lab wastes?

b) Explain the terms accuracy and specificity.

c) What are disaccharides?

d) How ammonia is made less toxic in our body?

e) What are the instruments to detect radioactivity?

f) List some common causes of fire in lab.

g) What do you mean by blank and control?

h) What is full form of ELISA?

i) What is the purpose of conjugation of bilirubin?

j) What is denaturation of proteins?

SECTION-B

2) Describe the principle and method of determination of phosphorous in a blood sample.

3) Describe briefly what are the basic requirements for lab management?

4) Write short notes on values of central tendency in statistics.

5) What are radioisotopes and give their use in a clinical biochemistry lab.

6) Write a short note on the handling and proper disposal of radioactive materials.

SECTION-C

7) What do you mean by quality control? List two phases of internal quality control.

8) Discuss various methods for the estimation of urea in a blood sample. Explain enzymatic method in detail along with its advantages.

9) Describe in detail the principle and procedure for determining the level of sodium in a clinical sample.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.