Roll No. Total No. of Pages : 02

Total No. of Questions: 09

Bachelor of Science (Medical Lab Sciences) (Sem.-4)

CLINICAL BIOCHEMISTRY-I

Subject Code : BMLS-403-18 M.Code : 77711

Date of Examination : 11-07-22

Time: 3 Hrs. Max. Marks: 60

INSTRUCTIONS TO CANDIDATES:

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

SECTION-A

1. Answer all of them:

- a) Name various disaccharides.
- b) What are α -rays?
- c) Why bilirubin is conjugated?
- d) What is the purpose of lab organization?
- e) List various safety measures in clinical biochemistry lab.
- f) What is the principle of uric acid estimation?
- g) Name the instrument used for the detection of radioactivity.
- h) Write down the principle of spectrophotometer.
- i) What is the principle of indirect ELISA?
- j) What are various measures of central tendency?

1 M-77711 (S2)-943

SECTION-B

- 2) Write detailed note on the clinical significance of GTT. Give principle and procedure for glucose estimation.
- 3) How automation is helpful in a biochemistry lab?
- 4) Discuss the principle, procedure and clinical significance of calcium estimation.
- 5) What are radioisotopes? Write a note on the hazards and their disposal.
- 6) Give the procedure, principle and clinical significance of bilirubin estimation.

SECTION-C

- 7) Discuss the principle, procedure, normal value and clinical significance of sodium estimation.
- 8) Discuss various pre-analytical, analytical and post analytical errors. Give the measures to rectify each one of them.
- 9) Give the procedure, principle and clinical significance of performing lipid profile.

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.

2 | M-77711 (S2)-943