

Roll No. 

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Total No. of Pages : 02

Total No. of Questions : 09

B.Sc.(MLS) (2014 to 2017) (Sem.-5)

**CLINICAL BIOCHEMISTRY-II**

Subject Code : BMLS-505

M.Code : 70469

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTIONS 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 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 briefly :**

- a) What is the function of creatine phosphokinase?
- b) Why is sucrose a non-reducing sugar?
- c) Mention the normal levels of different constituents in CSF.
- d) What is significance of LDH?
- e) What is the function of performing renal function tests?
- f) How are 17-ketosteroids formed?
- g) What is principle of enzyme estimation?
- h) Write down the conditions where a patient has renal glycosuria.
- i) What is urea clearance?
- j) How Barbiturates are formed?

### SECTION-B

- 2) What are various tests done for the estimation of TSH in a clinical sample? Give the clinical significance of TSH.
- 3) Discuss how automation has revolutionized a clinical biochemistry laboratory.
- 4) Write a detailed note on the collection and biochemical examination of CSF.
- 5) Discuss some rapid techniques which are used in a clinical biochemistry lab.
- 6) Discuss the clinical significance of gastric analysis. Discuss the parameters done and explain any one of them in detail.

### SECTION-C

- 7) What are different renal clearance tests? Explain **any one** of them in detail.
- 8) Discuss Xylose tolerance test. Describe the method for doing this test and what is its significance.
- 9) Give the procedure, principle and clinical significance of performing alkaline phosphatase assay? How is it useful to a clinician?

**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.**