

QP Code: 202383

Reg. No.....

**Second Year M.Sc. MLT Degree Examinations November 2018
(Biochemistry)**

**Paper VI - Diagnostic Biochemistry, Recent Advances in Clinical Chemistry and
Biostatistics**

Time: 3 hrs.

Max. marks: 100

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essays:

(10x10=100)

1. Discuss the markers of glomerular filtration rate.
2. Describe the diagnostic tests for alcoholic liver diseases
3. Discuss the estimation of tricyclic antidepressants in serum
4. Describe the tests to assess the exocrine functions of pancreas.
5. The measures of variation applied in clinical chemistry laboratory
6. What are acute phase proteins. Discuss the C reactive proteins and its diagnostic importance
7. Mention the characteristic features of Alzheimer's disease and discuss the molecular defects in this condition
8. Describe the sample collection for blood gas analysis and how will you interpret the results in different acid base disorders
9. The basic concept of potentiometry. Describe ion selective electrodes for measuring electrolytes in body fluids.
10. The specifications of a fully automated clinical chemistry analyzer required for a tertiary care hospital lab with 500 samples per day
