

QP Code: 202383

Reg . No.....

**Second Year M.Sc. MLT Degree Examinations – November 2016  
(Biochemistry)**

PAPER – VI DIAGNOSTIC BIOCHEMISTRY, RECENT ADVANCES IN CLINICAL CHEMISTRY AND  
BIOSTATICS

**Time: 3 hrs.**

**Max. marks: 100**

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

**Essays:**

**(10x10 = 100)**

1. Classify the liver function tests .Explain the tests based on excretory and detoxification functions of liver.
2. What are acute phase proteins. Enumerate them and add a note on methods of estimation in serum.
3. What are tumor markers. Mention features of an ideal tumor marker. Explain clinical significance of any three tumor markers.
4. Methods used in estimation of antidepressants in serum
5. Explain quality management system in laboratory and external quality control
6. Explain : • Mean • Median • Standard deviation • Coefficient of variation
7. Mass spectrometry
8. Biochemistry of AIDS and its laboratory analysis
9. Describe determination of biological reference intervals of analytes. Mention the reference intervals of: • Plasma fasting glucose • Serum urea • Serum creatinine .
10. Describe salient features of random access analyzers

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