

QP Code : 202383

Reg . No.....

**Second Year M.Sc. MLT Degree Examinations – February 2015
(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. Explain the pathophysiology of cancer. Mention examples of oncogenes, proto oncogenes and onco-suppressor genes.
2. Explain the laboratory tests used in diagnosis of diabetes mellitus.
3. What is point of care testing (POCT). Explain the POCT in therapeutic drug monitoring and toxicology analysis.
4. Describe the regulation of acid base balance in our body.
5. Causes and laboratory analysis of renal calculi.
6. Explain the pancreatic function tests.
7. Explain the thyroid function tests and its interpretation.
8. Role of internal quality control in laboratory.
9. Explain the importance of plasma enzymes as liver function tests
10. Mechanism of action of anticancer drugs.
