

QP Code: 203020

Reg. No.....

Second Year B.Sc. Medical Biochemistry Supplementary Examinations

April 2017

ENZYMOLOGY

Time: 3 Hours

Total Marks: 80

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

Essay

(2x15=30)

1. Discuss the plasma enzyme pattern in MI, liver diseases, bone disorders, pancreatic disease and malignancies.
2. Enzyme inhibition – various types with examples and application in clinical medicine.

Short Essay

(2x10=20)

3. Mechanism of enzyme action. Add a note on action of chymotrypsin and lysozyme.
4. Enzyme regulation by induction and repression with suitable examples.

Short Notes

(4x5=20)

5. Enzyme classification
6. Multi-enzyme complex
7. Allosteric regulation and covalent modification
8. Isolation and purification of enzymes.

Answer Briefly

(5x2=10)

9. Metal activated enzyme.
10. Give the normal serum value of CK and LDH.
11. Flipped pattern.
12. Define Km value.
13. Co-factor.
