

QP Code: 203020

Reg. No.....

**Second Year B.Sc. Medical Biochemistry Supplementary Examinations
April 2018**

ENZYMOLOGY

Time: 3 Hours

Total Marks: 80

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

Essay

(2x15=30)

1. Enzyme – describe the properties, classification and nomenclature. Explain briefly specificity of enzyme and the factors affecting the velocity of enzyme catalysed reaction.
2. Describe enzyme regulation with suitable examples.

Short Essay

(2x10=20)

3. Enzyme inhibition with graph and suitable examples.
4. Enzyme as markers of MI and liver diseases

Short Notes

(4x5=20)

5. Functional and non-functional serum enzymes
6. Isolation and purification of enzymes
7. Immobilised enzymes.
8. Michaelis-Menten theory

Answer Briefly

(5x2=10)

9. Active site.
10. Turn over number
11. Therapeutic enzymes
12. Enzyme units.
13. Co-enzyme
