

QP Code: 213020

Reg. No.....

**Second Year B.Sc Medical Biochemistry Degree Supplementary
Examinations November 2021**

Paper VIII – Enzymology

(2016 Scheme)

Time: 3 hours

Max. Marks: 100

- *Answer all questions to the point neatly and legibly* • *Do not leave any blank pages between answers* • *Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together* • *Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Long Essays:

(2x15=30)

1. Classify the enzymes with examples and add a note on isoenzymes.
2. Describe with diagrams different mechanism of enzyme action

Short Essays:

(2x10=20)

3. Enzyme purification and isolation
4. Enzymes of liver panel and their significance

Short Answer:

(6x5=30)

5. Enzyme inhibition
6. Factors affecting enzyme activity
7. Enzyme specificities
8. Functional and non-functional enzymes
9. Co-enzymes and co-factors
10. Cardiac enzymes and their kinetics

Comment on:

(10x2=20)

11. Enzyme markers
12. Diagnostic enzymes
13. Markers of obstructive liver disease
14. Active centre and its features
15. Suicide inhibition
16. Significance of Km value
17. Transaminases
18. Choline esterase
19. Methods of enzyme estimation
20. Enzymes as cellular markers
