2022

Paper: **ZOO-HC-3036**

(FUNDAMENTALS OF BIOCHEMISTRY)

Full Marks- 20

Time- 1h

The figures in the margin indicate full marks for the questions.

Answer **any four** of the following questions: 4×5=20

1. Define the term enzyme. Describe the classes of enzymes with examples.

2. Explain the different factors affecting enzyme activity with suitable graph.

3. What is an inhibitor? Explain how K_m and V_{max} are affected in competitive and non-competitive inhibition.

4. What is an allosteric enzyme? Describe the mechanism of allosteric regulation.

5. Write short notes on-
   a. Cofactor
   b. Coenzyme

6. Draw and explain the basic structure of immunoglobulin.

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