

Exam. Code : 103204

Subject Code : 1390

B.A./B.Sc. 4<sup>th</sup> Semester  
ZOOLOGY ZOO—IV A  
(Biochemistry)

Time Allowed—Three Hours] [Maximum Marks—35

**Note** :— There are **NINE (9)** questions in all. **FIVE** questions are to be attempted. Question No. **I** is compulsory. Candidates are required to attempt **FOUR** questions, **ONE** from each unit. All questions carry equal marks (**7** marks each).

I. Compulsory question, explain briefly the following :

- (i) Disaccharides
- (ii) Polypeptides
- (iii) Coenzymes
- (iv) Glycogenesis
- (v) Decarboxylation
- (vi) Basic amino acids
- (vii) Deamination.

7×1=7

**UNIT—I**

- II. Discuss the scope of Biochemistry. 7  
III. Give the classification and functions of lipids. 7

**UNIT—II**

- IV. How will you classify enzymes and describe their nature. 7  
V. Write a detailed account on Ketosis. 7

**UNIT—III**

- VI. Describe the Embden Meyerhoff Parnas pathway. 7  
VII. What do you understand by glucogenolysis ? 7

**UNIT—IV**

- VIII. Explain hydrolysis of proteins. 7  
IX. Give a write up on oxidative phosphorylation. 7