

P719

**[4131] - 101**  
**M.Sc. - I (Sem. - I)**  
**ZOOLOGY (2005 Pattern)**  
**ZY - 101 : Biochemistry**

*Time : 3 Hours]*

*[Max. Marks : 80*

*Instructions to the candidates:*

- 1) Attempt any four questions.*
- 2) Figures to the right indicate full marks.*
- 3) Draw neat diagrams wherever necessary.*

**Q1)** Answer the following:

**[20]**

- a) With suitable examples differentiate structural polysaccharides from storage polysaccharides.
- b) What are sterols? Give their significance.
- c) What are cyclic nucleotides?
- d) Explain the term enzyme turn over.
- e) What are high energy bonds? Give their significance.

**Q2)** Write notes on:

**[20]**

- a) Protein modifications.
- b) Uncouplers of oxidative phosphorylation.
- c) Zymogen activation.
- d) Ketogenic and Glucogenic amino acids.

**Q3)** a) Explain the structural basis and significance of Isozymes.

**[10]**

b) What is deamination? Explain it with suitable examples.

**[10]**

# Msc Zoology Entrance Exam Papers

**Clemens Wendtner**



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