

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]

Zoology Model Question Paper For Msc Entrance

L Darling-Hammond



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