

M.Sc. Previous Degree Examination

Aug/Sept 2009

Directorate of Distance Education

(Freshers)

ZOOLOGY

Paper-II : Physiology and Biological Chemistry

Time : 3 Hours

Max. Marks : 85

- Note :**
1. All questions carry equal marks.
 2. Answer any TWO questions from Part A. TWO questions from Part B and Part C is compulsory.
 3. Illustrate the answers wherever necessary.

PART-A

2x15=30

1. Explain structure and functions of muscles.
2. How heat transfers between body and Environment? Explain.
3. Describe the functions of central nervous system.
4. Give an account on gastrointestinal disorders.

PART-B

2x15=30

5. Discuss the disorders of lipid metabolism.
6. Explain the metabolic activity of prostaglandins.
7. Describe the urea cycle.
8. Give an account on protein folding.

PART-C

5x5=25

9. Write short notes on any FIVE of the following.
 - a) Glycosuria
 - b) De-amination
 - c) Cholesterol
 - d) Coenzymes
 - e) tRNA synthesis
 - f) Lipo proteins
 - g) Purine synthesis

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