

USCZOT06 - Core Paper-VI - Zoology Paper-II : Physiology & Biochemistry - I

P. Pages : 1

Time : Three Hours



GUG/S/23/11621

Max. Marks : 50

- Notes :
1. All questions carry equal marks.
 2. All questions are compulsory
 3. Draw well labelled diagrams wherever necessary.

1. Give detail account on Urea cycle. 10
- OR**
- a) Glycogen metabolism. 5
- b) Transamination 5
2. Give detail account on distribution and chemical nature of enzymes. 10
- OR**
- a) Nomenclature of enzymes. 5
- b) Specificity of Enzymes. 5
3. Write an essay on carbohydrates digestion. 10
- OR**
- a) Salivary glands. 5
- b) Pancreas. 5
4. Give detail account on mechanism of Breathing. 10
- OR**
- a) Respiratory disorders. 5
- b) Effect of smoking. 5
5. Write four or five lines on the following **any ten**. 10
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|---------------------------|----------------------|
| i) Deamination | ii) Pyruvic acid |
| iii) Uric acid | iv) Hydrolases |
| v) Lyases | vi) Pro-enzymes |
| vii) Crypts of Lieberkühn | viii) Parietal cells |
| ix) Succus entericus | x) Haemocyanin |
| xi) Emphysema | xii) Cystic Fibrosis |
