

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

P. Pages : 1

Time : Three Hours



**GUG/W/23/11621**

Max. Marks : 50

- Notes :
1. All questions are compulsory.
  2. All questions carry equal marks.
  3. Draw labeled diagram wherever necessary.

1. Write an essay on Glycolysis? Add a note on net ATP production. **10**

**OR**

Write short notes on.

- a) Transamination.
- b) Transport of Lipids.

2. Give an account on Classification of enzymes. **10**

**OR**

Write short notes on.

- a) General Properties of Enzymes
- b) Enzyme Specificity.

3. Give an detailed account on Gastro intestinal hormones. **10**

**OR**

Write short notes on.

- a) Salivary Gland
- b) Digestion of Proteins

4. Explain the Mechanism to Transport of  $O_2$  and  $CO_2$ . **10**

**OR**

Write short note on.

- a) Hemoglobin.
- b) Expiration

5. Attempt the following. **10**

- |                  |                 |
|------------------|-----------------|
| a) Glycogen      | b) Deamination  |
| c) Triglycerides | d) Substrate    |
| e) Cofactors     | f) Isoenzymes   |
| g) Parietal cell | h) Insulin      |
| i) Vitamin-K     | j) Tuberculosis |
| k) Hemocyanin    | l) Lung cancer  |

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