

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

P. Pages : 1

Time : Three Hours

**GUG/S/25/11621(S)**

Max. Marks : 50

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

1. Describe the mechanism of digestion of carbohydrates. 10

OR

- a) Urea cycle. 5
- b) Transamination. 5

2. Describe the factors affecting enzyme activity. 10

OR

- a) General properties of enzyme. 5
- b) Chemical Nature of enzyme. 5

3. Describe the structure and functions of salivary gland. 10

OR

- a) Functions of liver. 5
- b) Protein digestion. 5

4. Explain the mechanism of respiration. 10

OR

- a) Respiratory disorders. 5
- b) Effect of smoking. 5

5. Write four to five lines on following **any ten**. 10

- i) Triglycerides.
- ii) Deamination
- iii) Glycogen
- iv) Lyases
- v) Group specificity.
- vi) V_{max}
- vii) Gastrin
- viii) Pancreatic Juice
- ix) Erepsion
- x) Haematocyanine
- xi) Intercostal muscle
- xii) Hemoglobin
