

Bachelor of Science (B.Sc.-II) (CBCS Pattern) Third Semester CBCS
USCZOT06 - Zoology Paper-II Physiology & Biochemistry - I

P. Pages : 1

GUG/W/18/11621

Time : Three Hours



Max. Marks : 50

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

1. Give details account on Glycolysis. **10**

OR

Write a notes on :-

- a) Gluconeogenesis. **5**
- b) Deamination of proteins. **5**

2. Give details accounts on factors affecting enzyme activity. **10**

OR

Write a notes on :-

- a) Oxidoreductase. **5**
- b) Chemical nature of enzymes. **5**

3. Give details account on vitamins. **10**

OR

Write a notes on :-

- a) Digestion of lipids. **5**
- b) Liver. **5**

4. Give details account on respiratory disorders. **10**

OR

Write a notes on :-

- a) Transport of CO₂.
- b) Structure and function of Hemoglobin.

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

- | | |
|-----------------|-----------------------------|
| i) Acetyl-CO-A. | ii) Renin. |
| iii) Starch. | iv) Ligases. |
| v) Kinases. | vi) Allosteric enzyme. |
| vii) Gastrin. | viii) Islets of Langerhans. |
| ix) Saliva. | x) Inspiration. |
| xi) Pneumonia. | xii) Bronchitis. |
