

B.Sc. - II (CBCS Pattern) Sem-III
USCZOT06 - Core Paper-VI : Zoology Paper-II
(Physiology & Biochemistry-I)

P. Pages : 1

Time : Three Hours



GUG/W/23/11621 (S)

Max. Marks : 50

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

1. Give an account on gluconeogenesis. 10

OR

Write notes on:

- | | |
|----------------------------|---|
| a) Ornithine Cycle. | 5 |
| b) Metabolism of glycerol. | 5 |

2. Give detail account on classification of enzymes. 10

OR

Write notes on:

- | | |
|----------------------------|---|
| a) Specificity of enzymes. | 5 |
| b) Lock and Key theory. | 5 |

3. Give an account on structure and function of Liver. 10

OR

Write notes on:

- | | |
|----------------------------|---|
| a) Digestion of protein. | 5 |
| b) Water soluble vitamins. | 5 |

4. Give an account on mechanism of respiration. 10

OR

Write notes on:

- | | |
|--|---|
| a) Structure and function of hemoglobin. | 5 |
| b) Effect of smoking. | 5 |

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

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|--------------------|-----------------|
| i) EMP | ii) Deamination |
| iii) Glycolysis | iv) Holoenzymes |
| v) Turnover number | vi) Isozymes |
| vii) Parotid gland | viii) Gastrin |
| ix) Vitamin A | x) Hemocyanin |
| xi) Myoglobin | xii) Pneumonia |
