

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

P. Pages : 1

Time : Three Hours



GUG/S/25/11621

Max. Marks : 50

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

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| 1. | Give an account on Glycolysis. | 10 |
| | OR | |
| | a) Urea Cycle. | 5 |
| | b) Biosynthesis of Triglycerides. | 5 |
| 2. | What are enzymes and give classification of enzymes. | 10 |
| | OR | |
| | a) Chemical Nature of enzymes. | 5 |
| | b) Factor affecting enzyme activity. | 5 |
| 3. | Give account on Digestion of food. | 10 |
| | OR | |
| | a) Liver. | 5 |
| | b) Pancreas. | 5 |
| 4. | Describe in detail gaseous exchange in lungs. | 10 |
| | OR | |
| | a) Haemoglobin | 5 |
| | b) Effects of Smoking. | 5 |
| 5. | Write 3-4 lines on any ten . | 10 |
| | i) Glycogen | ii) Transamination |
| | iii) ATP | iv) Co-enzyme. |
| | v) Transferase | vi) V_{\max} |
| | vii) Vitamins | viii) Pepsinogen |
| | ix) Emulsification | x) Inspiration |
| | xi) Bicarbonate | xii) Asphyxia |
