

B.Sc. - III CBCS Pattern Semester-V  
**USCZOT12 (DSE) Core Paper-XII - Zoology Paper-IV (Aquatic Biology)**

P. Pages : 1

Time : Three Hours



**GUG/W/23/13122**

Max. Marks : 50

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- Notes :
1. All questions are compulsory.
  2. All questions carry equal marks.
  3. Illustrate your answers with suitable diagrams.

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|-----------|--|-----------|
| <b>1.</b> | Give a brief account on fresh water Ecosystems       | <b>10</b> |
|           | <b>OR</b>  |           |
|           | a) Intertidal zone                                   | 5         |
|           | b) Benthic zone                                      | 5         |
| <b>2.</b> | Give a brief account on origin of lakes.             | <b>10</b> |
|           | <b>OR</b>  |           |
|           | a) Nitrogen Cycle.                                   | 5         |
|           | b) Physical characteristics of water.                | 5         |
| <b>3.</b> | Describe in brief adaptations in deep sea organisms. | <b>10</b> |
|           | <b>OR</b>  |           |
|           | a) Sulphur cycle.                                    | 5         |
|           | b) Continental shelf.                                | 5         |
| <b>4.</b> | Write a note on Eutrophication and its management.   | <b>10</b> |
|           | <b>OR</b>  |           |
|           | a) Sewage treatment.                                 | 5         |
|           | b) Functions of pollution control board.             | 5         |
| <b>5.</b> | Write answers in 2-3 lines <b>any ten.</b>           | <b>10</b> |
|           | a) Coral reefs.                                      |           |
|           | b) Salt wedge.                                       |           |
|           | c) Mangrove.   |           |
|           | d) Rotifera.   |           |
|           | e) Water flea.                                       |           |
|           | f) Turbidity.  |           |
|           | g) Bathypelagic Zone.                                |           |
|           | h) Density of sea water.                             |           |
|           | i) Coral.  |           |
|           | j) Sedimentation.                                    |           |
|           | k) Water pollution Act.                              |           |
|           | l) COD   |           |

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