

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

P. Pages : 1

Time : Three Hours



**GUG/S/25/13122**

Max. Marks : 50

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

**1. Write an essay on aquatic ecosystems. 10**

**OR**

Write notes on-

- |                          |          |
|--------------------------|----------|
| a) River ecosystem.      | <b>5</b> |
| b) Oceanic Pelagic zone. | <b>5</b> |

**2. Write an essay on classification of lakes. 10**

**OR**

Write notes on-

- |                                  |          |
|----------------------------------|----------|
| a) Physical parameters of water. | <b>5</b> |
| b) Zooplanktons.                 | <b>5</b> |

**3. Write a detailed account on adaptation in deep sea organisms. 10**

**OR**

Write notes on-

- |                           |          |
|---------------------------|----------|
| a) Continental shelf.     | <b>5</b> |
| b) Marine nitrogen cycle. | <b>5</b> |

**4. Write a detailed account on aquatic pollution. 10**

**OR**

Write notes on-

- |                              |          |
|------------------------------|----------|
| a) BOD.                      | <b>5</b> |
| b) Sewage treatment process. | <b>5</b> |

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

- |                        |                      |
|------------------------|----------------------|
| i) Lentic ecosystem    | ii) Estuaries        |
| iii) Benthic zone      | iv) Dissolved oxygen |
| v) Nitrification       | vi) Copepods         |
| vii) Salinity          | viii) Eutrophication |
| ix) Brown algae        | x) Oil Spill         |
| xi) Thermal Pollutants | xii) COD             |

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