

M.Sc. (Zoology) (CBCS Pattern) Semester-III
**PSCZOOT10-7 - Paper-X Special Group Paper-I - Aquaculture-I - Fresh Water
Aquaculture**

P. Pages : 1

Time : Three Hours



GUG/S/25/11313

Max. Marks : 80

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

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| 1. | Explain in detail importance and present status of Aquaculture in India. | 16 |
| OR | | |
| a) | Physicochemical condition of pond water. | 8 |
| b) | Aquatic vegetation. | 8 |
| 2. | Write in detailed account on Pond Ecosystem. | 16 |
| OR | | |
| a) | Chemical condition pond soil. | 8 |
| b) | Methods of Productivity measurement. | 8 |
| 3. | Give detail account on the biology of culturable Exotic carps. | 16 |
| OR | | |
| a) | Breeding behaviour of Indian carps. | 8 |
| b) | Fisheries of Gangetic river system. | 8 |
| 4. | Write an essay on induced breeding by hypophysation. | 16 |
| OR | | |
| a) | Riverine fish seed collection. | 8 |
| b) | Wet & Dry bundles. | 8 |
| 5. | Attempt the followings. | |
| 1) | Plankton. | 4 |
| 2) | Trophic level | 4 |
| 3) | Major Indian Carp | 4 |
| 4) | Types of hatcheries | 4 |
