



**Q.1. Answer the following short questions: (15x2=30)**

- i. At which trophic level fishes feed?**
- ii. Mention various morphological adaptations in fishes regarding their feeding strategies.**
- iii. What do you know about the index of electivity?**
- iv. Enumerate different factors affecting the prey selection in fishes.**
- v. How fish move into the water?**
- vi. How fishes respire?**
- vii. How color vision possible in fishes?**
- viii. What is difference between gonochoristic and sequential hermaphroditism in fishes?**
- ix. Describe the relationship between secondary sex characters and sexual activity in fishes.**
- X. What are different modes of fertilization in fishes?**
- xi. What is difference between parthenogenesis and hybridogenesis?**
- xii. Write the names of different water pollutants.**
- xiii. Why heat is considered as water pollutant?**
- xiv. How waste can be treated through recycling and vermitechnology?**
- xv. Write the names of some burning environmental issues.**

**Q.2. Answer the following questions. (3x10=30)**

- i. Write a detail but comprehensive note on environmental issues.**
- ii. Write a comprehensive note of water pollution.**
- iii. How waste can be managed?**