

**Ph. D Course Work, 2018 A**  
**Second Sessional Examination**  
**Paper – III**  
**Recent Development in Zoology**

**Full Marks: 30**

**Time: 1 hour**

**Answer any three from the following questions:**

1. What do you mean by GMO? Write the merits and demerits of GMO in the present context. (2+8=10)
2. Write the correct name of the wildlife act of India. State the definition of hunting and various sections related to hunting of this act. Write a note on the limitations of this act. (2+2+2+4=10)
3. What is solid waste? Enumerate the sources of generation of solid waste. How it could be managed by different scientific methods? (1+4+5=10)
4. Discuss the recent trends in ornamental fish farming practiced in India with special reference to trade. (10)
5. Define integrated fish farming. Discuss briefly some of the different types of integrated fish farming practices in India. (10)
6. In the light of modern concept, discuss the process of IVF. (10)
7. Write the differences of the following: (5+5=10)
  - (i) Domestic animals and captive animals.
  - (ii) Assisted reproductive technology and fertilization.

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