

Ph.D. Course Work Examinations
(July, 2018)
Paper Title: Recent Development in Zoology
Paper Code: PHD-1Y3

Full Marks: 70

Time: 3 hours

(Answer any seven from the following questions)

1. Write short notes on the following: 2.5×4=10
 - a) Keystone species
 - b) Flagship species
 - c) Umbrella species
 - d) Indicator species
2. Define protected area. How many types of protected areas are there in India? Write the differences between national park and wildlife sanctuary. 1+2+7=10
3. Define biodiversity hot spot. Brief details about the biodiversity hotspot found in India. Also mention about some criticisms of the Biodiversity Hotspot Concept. 2+6+2=10
4. Define global warming. Brief the cause and effect of global warming. Also mention about the various mitigation measures of it. 2+6+2=10
5. What do you mean by GMO? Write the merits and demerits of GMO in the present context. 2+8=10
6. Define solid waste. State the sources of generation of solid waste. Also write about different scientific methods of solid waste management. 1+4+5=10
7. What is integrated fish farming? Discuss integrated fish farming with special reference to paddy cum fish culture in India. 2+8=10
8. What is ornamental fish farming? Discuss the salient features of ornamental fish farming in India with special reference to trade. 2+8=10
9. Discuss the recent trend in in-vitro fertilization (IVF) technology in India. 10
10. Discuss the GIFT technology in the light of modern concept. 10
