1/33

1605E603

Candidate's Scat No :

M.Phil. Science Examination

Paper-III : Zoology May-2017

Time: 3 Hours

[Max. Marks: 70]

NB: All questions are compulsory. Illustrate your answers with neat diagrams wherever necessary		
1.	Write a detailed note on behavioural patterns in animals OR	14
1.	Describe: (a). National Parks and Sanctuaries of Gujarat (b). Conservation of natural resources	
2.	Describe: (a) Radioprotective agents (b) Recent methods for female contraception OR	14
2.	Give a detailed account on the steps, risk factors and drawbacks of IVF	
3.	Explain signal transduction by G-Protein mediated receptors OR	14
43.	Write an account on: (a). Receptor recycling (b). Pituitary hormones and their role	
4.	Explain: (a). DNA damage and SOS repair mechanism (b). Acute and chronic toxicity testing OR	14
4.	Discuss tests for evaluation of Genotoxicity	
5.	Write short notes on any THREE of the following: a. Pesticide toxicity b. Nuclear Receptors c. GIFT, SUZI and ICSI d. Wetlands of Gujarat State e. Psychosomatic disorders	14