

SARDAR PATEL UNIVERSITY
Programme: BSC (ZOOLOGY)
Semester: VI
Syllabus with effect from: November 2013

Paper Code: US06CZOO06	Total Credit: 3
Title Of Paper: Wild Life and Animal Behaviour	

Unit	Description in detail	Weighting (%)
1	Wild life of India, National park & Sanctuary & of India. Biosphere reserves. Wild life management & Conservation and methods. Endangered species. Special project: Tiger, Lion, Crocodile & Elephant.	
2	Wetlands & Protected areas of Gujarat. Values of wild life and wild life organizations. Levels of biodiversity. Biodiversity of India, hot spot of India. Biodiversity threats. Biodiversity conservation.	
3	ANIMAL BEHAVIOUR Methods of studding behavior: Naturalistic, Experimental, statical Animal migration: Fish migration & Bird migration. Social behavior in insect: Definition, characteristics, Causes, types of association, Social insects- Bees, Ants & Wasps, Termites Social organization: Introduction, characteristics of social group, Mating strategies : Monogamy, Polygamy Advantage of being social	
4	Reproductive behavior Introduction, type of fertilization, , characteristics of courtship Attention & courtship : Visual, Sound, Light, Tactile Courtship on Stickle back fish Parental care: Types, Parental care in fish & Amphibians	

Basic Text & Reference Books:

- Ecology & Environment: P.D.Sharma
- Environmental biology: P.S.Verma & V.K.Agrawal
- Zoology for IAS: Satguru Prasad
- Animal behavior: Reena mathur
- Wild life: M.M.Ranga
- Animals of India: BNHS Publication
- Endangered Animals of India & their conservation: Nair S.N.

