

Z 407C – ANIMAL BEHAVIOR

UNIT-I

1. Introduction to Ethology: A Science of Animal Behaviour
2. Classification of behavioral patterns
3. Ethogram
4. Concept and Application of Behavioral Ecology

UNIT-II

1. Perception of environment: Mechanical; Electrical; Chemical; Olfactory; Visual; Auditory;
2. Instinctive and Learning Behaviour
3. Physiological and Hormonal basis of behavior
4. Human ethology and Psychosomatic disorders

UNIT-III

1. Communication: Chemical; Visual; Light; Auditory
2. Camouflage and Mimicry in Animals
3. Methods to study communications
4. Animal behavior and adaptation

UNIT-IV

1. Ecological aspects: Habitat and food selection; optimal foraging theory
2. Territoriality; social behavior-schooling and Movement patterns
3. Effect of environment on Animal Behaviour
4. Advanced techniques to study animal behaviour