

ZO 501 ANIMAL DIVERSITY AND ECOLOGY

Programme: Master of Science Zoology MSCZO19

Year / Semester: 1st Year

Credits: 6

BLOCK-I:SYSTEMATICS

Unit –1 : Theories and concepts of Taxonomy

Unit –2 : Biological Classification

Unit –3 : Methodologies in Systematics

BLOCK – II : DIVERSITY IN ORGANISATIONOF INVERTEBRATES

Unit –4 : Coelom

Unit –5 : Circulatory System

Unit –6 : Nervous System

Unit –7 : Excretory System

Unit –8 : Phylogenic Importance of Echinoderm larvae

BLOCK – III: DIVERSITY IN ORGANIZATION OF VERTEBRATA

Unit –9 : Integument

Unit –10: Heart and Circulatory System

Unit –11: Respiratory System

Unit –12: Nervous System, Brain and Sensory Organs

BLOCK–IV:ECOLOGY AND ANIMAL DIVERSITY

Unit –13: Ecology and Animal Diversity

Unit –14: Aquatic Ecosystems and Animal Diversity

Unit –15: Protected areas (Sanctuaries and National Parks)

Extinction and Biodiversity Conservation.