Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College, Kolhapur (Autonomous)

Department of Zoology

Academic Year 2023-24

As Per NEP 2020

Course Outcomes (COs)

Zoology B.Sc. I

DSC-I: DSC03ZOO11: ANIMAL DIVERSITY I

After the completion of the course the student will be able to:

CO1: Recall the systematic, classification and biology of animals

CO2: Compare the morphological peculiarities of animals

CO3: Classify the animals among invertebrates

CO4: Apply the knowledge for identification of animals

CO5: Evaluate the importance of diversity of animals

DSC-II: DSC03ZOO12: CELL BIOLOGY

After the completion of the course the student will be able to:

CO1: Define various terms in cell biology

CO2: Explain ultra-structure and functions of cell organelles

CO3: Apply knowledge of cell biology in research

CO4: Distinguish between various cell components

CO5: Design and implement experimental procedure using relevant techniques in cell biology

DSC-III: DSC03ZOO21: ANIMAL DIVERSITY II

After the completion of the course the student will be able to:

CO1: Recall diversity in kingdom Animalia

CO2: Understand classification among chordates

CO3: Identify and classify the chordates

CO4: Analyze the various adaptations in vertebrates.

CO5: Evaluate the significance of animal biodiversity

DSC-IV: DSC03ZOO22: GENETICS

After the completion of the course the student will be able to:

CO1: Describe the basic concept of genetics

CO2: Understanding the laws and concepts of Mendelian inheritance and its extension

CO3: Apply knowledge to solve the genetic examples

CO4: Distinguish between different genetic disorders

CO5: Explain basic human genetics and mechanism of inheritance

Semester I- MIN-I: MIN03ZOO11: ANIMAL DIVERSITY I

After the completion of the course the student will be able to:

CO1: Recall the systematic, classification and biology of animals

CO2: Compare the morphological peculiarities of animals

CO3: Classify the animals among invertebrates
CO4: Apply the knowledge for identification of animals
CO5: Evaluate the importance of diversity of animals

Semester I- MIN-I: MIN03ZOO11: CELL BIOLOGY
After the completion of the course the student will be able to:
CO1: Define various terms in cell biology
CO2: Explain ultra-structure and functions of cell organelles
CO3: Apply knowledge of cell biology in research
CO4: Distinguish between various cell components
CO5: Design and implement experimental procedure using relevant techniques in cell biology

Semester II- MIN-I: MIN03ZOO11: ANIMAL DIVERSITY II
After the completion of the course the student will be able to:
CO1: Recall diversity in kingdom animalia
CO2: Understand classification among chordates
CO3: Identify and classify the chordates
CO4: Analyze the various adaptations in vertebrates.
CO5: Evaluate the significance of animal biodiversity

Semester II- MIN-I: MIN03ZOO11: GENETICS
After the completion of the course the student will be able to:
CO1: Describe the basic concept of genetics
CO2: Understanding the laws and concepts of Mendelian inheritance and its extension
CO3: Apply knowledge to solve the genetic examples
CO4: Distinguish between different genetic disorders
CO5: Explain basic human genetics and mechanism of inheritance

Semester I- OEC-I: OEC03ZOO11: PUBLIC HEALTH AND HYGIENE
After the completion of the course the student will be able to:
CO1: Tell importance of personal and public hygiene
CO2: Explain methods to maintain societal health
CO3: Apply the knowledge in nutrition and human health
CO4: Compare different human diseases
CO5: Interpret between malnutrition and health

Semester I - OEC -II: OEC03ELE12: HEMATOLOGY
After the completion of the course the student will be able to:
CO1: Recall properties of blood and blood cells
CO2: Understand morphology and production of blood cells
CO3: Apply the knowledge for identification of ABO blood group system and blood transfusion
CO4: Compare haematological disorders
CO5: Develop skill and interpret the result

Semester –II- OEC-III: OEC03ZOO21: DIVERSITY IN LIVING ORGANISM

After the completion of the course the student will be able to:

CO1: Recall diversity among living organisms

CO2: Explain various types classification systems for living organism

CO3: Organize living organisms according to their complexity

CO4: Analyze taxonomical hierarchy of organism

CO5: Evaluate the significance of biodiversity

Semester –II- OE -IV: OEL03ZOO22: STRUCTURAL ORGANISATION IN ANIMAL

After the completion of the course the student will be able to:

CO1: Define the terms in structural biology of organism

CO2: Explain the organization of various animals

CO3: Identify level of organization in animal

CO4: Correlate the functions of organs

CO5: Evaluate the importance of organs

Semester -II - SEC -I: SEC03ZOO29: VERMICOMPOSTING

After completion of this course students will be able to

CO1: Recall the importance of earthworms in maintaining soil quality.

CO2: Learn the techniques of composting in a limited space

CO3: Develop technical skills on harvesting and management of vermicomposting

CO4: Understand the scope of vermicomposting as entrepreneurship

CO5: Choose vermicomposting that leads to organic farming and healthy food production.

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