

ST. JOSEPH'S COLLEGE FOR WOMEN (A), VISAKHAPATNAM
Four Year – B.Sc. (Hons), Semester – VII
ZOOLOGY

BIODIVERSITY AND SYSTEMATICS

TIME:2HRS/WEEK

Code: Z 7552(2)

Practical

Max. Marks- 50

Learning Objectives:

Enable the students to:

1. Develop proficiency in creating maps that illustrate biodiversity distribution, emphasizing key features and patterns within specific areas.
2. Gain knowledge on the diverse fauna & Compile a comprehensive list of both invertebrate and vertebrate species found within a designated region, showcasing understanding of local fauna diversity.
3. Acquire the ability to prepare reports on activities related to Biodiversity Management Committees (BMC).

Learning Outcomes:

Students will be able to:

1. Develop the ability to create accurate maps that visually represent biodiversity distribution.
2. Acquire skills in identifying and listing both invertebrate and vertebrate species within a specific area, showcasing a comprehensive understanding of local fauna diversity.
3. Gain insights into the diverse fauna present in man-made ecosystems.
4. Learn how to effectively prepare reports documenting Biodiversity Management Committee (BMC) activities, demonstrating clear communication of conservation efforts.

I. Syllabus

1. Biodiversity- Map Preparation
2. List of local fauna (invertebrates and vertebrates).
3. Faunal diversity of man-made ecosystem.
4. Report preparation on the BMC Activities
5. Preparation of Peoples Biodiversity Register at a given site
6. Using photographs / paintings / coloured drawings identify and study distribution and ecological role of common bivalves and gastropods that occur along a sea-shore.

II. Web resources for the Lab

- <http://biodiversitylab.ncbs.res.in/home>
