

**Shri. Swami Vivekananda Shikshan Sanstha's**  
**LAL BAHADUR SHASTRI COLLEGE OF ARTS, SCIENCE AND**  
**COMMERCE, SATARA.**  
P. G. Department of Zoology

**Self-Funded Course in Vermiculture and Vermicomposting**  
**Syllabus**

**Theory and Practical**

**Unit –I**

1. Earthworms – Taxonomic position and diversity; types – morphological and ecological grouping – Epigenic species, Endogenic species and Anecics; Ecological roles and economic importance of earthworms – need for earthworm culture.

**Unit – II**

1. Introduction to vermiculture. definition, meaning, history, economic important, their value in maintenance of soil structure, common species for culture.
2. Environmental requirements; culture methods – wormery – breeding techniques; indoor and outdoor cultures - monoculture and polyculture –relative merits and demerits; Windows Method-Process – advantages Vermiculture – definition, scope and importance;

**Unit –III**

1. Methods of vermicomposting, changes during vermicomposting, chemical composition of vermicast and the economics of vermiculture. Small Scale Earthworm farming for home gardens- Earthworm compost for home gardens
2. Earthworm Farming (Vermiculture), Extraction (harvest), vermicomposting harvest and processing.
3. Nutritional Composition of Vermicompost for plants, comparison with other Fertilizers

## **Unit – IV**

1. Vermiwash collection, composition & use.
2. Enemies of Earthworms, Sickness and worm's enemies.