

VERMICULTURE AND VERMITECHNOLOGY

SESSION 2022-2023

SYLLABUS

UNIT I – Morphology:

Earthworms–Taxonomic position,

External features-shape, size, colour, segmentation, setae & clitellum

UNIT II – Anatomy:

Body wall, coelom, locomotion, digestive, circulatory, respiratory, excretory & nervous system, Reproductive system-Male & Female, copulation, cocoon formation & fertilization,

UNIT – III Economic importance of Earthworms and culture method:

Economic importance of earthworm in sustainable agriculture

Vermitechnology- Definition, history, growth and significance.

Vermiculture- Definition, scope and importance; common species for culture;

Environmental parameters; culture methods

UNIT – IV Application:

Applications of vermiculture –Vermi-composting, use of vermicastings in organic farming/horticulture,

Vermiwash-Preparation and application

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