

Subject Title: Vermiculture and Vermicomposting (SEC)

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**Unit - I: Vermiculture**

Short Answers:

1. Write short note on Vermiculture.
2. Write short note on Vermicomposting.
3. Difference between Vermiculture and vermicomposting.

Long Answers:

4. Explain in detail about earthworm diversity and ecological group of earthworm and biology of composting earthworm.
5. Write an essay on *Eoisena Foetida*.
6. Write an essay on *Eudrilus lugeniae*.
7. Define soil and explain in detail about physical, chemical and biological features of soil.
8. Explain in detail about how an organic wastes source creates problems in traditional composting and vermicomposting.
9. Explain about pit methods and types of pit methods with small scale and large scale including heap method.

**Unit – II: Vermicomposting techniques.**

Short Answers:

10. Define vermiculture process.
11. Site selection for vermiculture.
12. Selection and collection of monoculture and polyculture.

Long Answers:

13. Explain in detail about vermiculture techniques with its required materials.
14. Give an account of essential parameters for vermiculture with its four methods.
15. Explain the nutritive value of vermicompost and also explain how storing and packing of compost will take place.
16. Give the applications of vermicomposting in agriculture and horticulture.
17. Explain economic value of vermiculture through nationalized bank of NABARD support for vermiculture.