



**Avinashilingam Institute for Home Science and Higher Education for Women**  
(Deemed to be University under Category 'A' by MHRD, Estd. u/s 3 of UGC Act 1956)  
Re-accredited with 'A++' Grade by NAAC. Recognised by UGC Under Section 12B  
Coimbatore - 641 043, Tamil Nadu, India

**Continuous Internal Assessment II - October 2024**  
**V Semester**

**Class : III B.Sc**  
**Branch : Botany**

**Time : 2 Hours**  
**Max. Marks : 60**

**21BBOC18 Organic Farming (Self study)**

**Course outcomes:**

- CO1: Know the role of macro and micro nutrients in plant growth and development  
CO2: Gain the knowledge of different types of green manures  
CO3: Understand recycling technique of organic materials  
CO4: Know the importance of composting  
CO5: Understand biological method of pest control  
CO6: Understand the application of science to community

**Part A**

**Choose the correct answer**

**6x1=6**

- Which of the following is not an agrowaste?  
(a) Crop residue (b) Sawdust (c) Leaf litter (d) Scrap metals CO3K2
- C:N ratio for green manuring crops should be  
(a) 18:1 (b) 40:1 (c) 110:1 (d) 80:1 CO4K2
- \_\_\_\_\_ is used for vermicomposting  
(a) *Azolla* (b) *Pleurotus* (c) *Trichoderma* (d) Earthworm CO4K2
- The process of converting waste to manure is  
(a) Incineration (b) Conservation (c) Metabolism (d) Composting CO4K2
- Microorganisms playing major role in composting?  
(a) Virus (b) Fungi (c) Bacteria (d) Actinomycetes CO4K2
- Which is not a principle approach in biological pest control?  
(a) Importation (b) Conservation (c) Augmentation (d) Destruction CO5K2

**Part B**

**Answer ALL the Questions**

**Answer should not exceed 400 words or one page**

**3x6=18**

- 7a. Describe the various types of manure CO3K2  
(Or)
- 7b. Mention the merits of composting CO4K2
- 8a. Discuss the role of C:N ratio in composting CO4K2  
(Or)
- 8b. What are the factors affecting composting CO4K2
- 9a. Explain the role of oxygen in composting CO4K1  
(Or)
- 9b. Write a note on the demerits of biological control CO5K1

**Part C**

**Answer ALL the Questions**

**Answer should not exceed 800 words or three pages**

**3x12=36**

- 10a. How agrowastes can be utilized- Explain CO3K1  
(Or)
- 10b. Write an detailed note on vermicomposting CO4K2
- 11a. Prepare an essay on different types of composting CO4K2  
(Or)
- 11b. Differentiate between aerobic and anaerobic composting CO4K2
- 12a. Enumerate the pest management process CO5K2  
(Or)
- 12b. Differentiate between physical and mechanical control CO5K2

**Staff in-charge : Dr. A. Vijayalakshmi**  
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