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Reg. No. : .....

Code No. : 30709 E Sub. Code : ESZO 21/  
FSZO 21

B.Sc. (CBCS) DEGREE EXAMINATION, APRIL 2025.

Second Semester

Zoology — Skilled

BIO COMPOSTING FOR ENTREPRENEURSHIP

(For those who joined in July 2023 onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. Anaerobic composting is also known as

- (a) Hot composting (b) Cold composting  
(c) Both (a) and (b) (d) None

2. Compost in an \_\_\_\_\_ manure.

- (a) Inorganic (b) Chemical  
(c) None (d) Organic

3. For continuous method of bio composting technology \_\_\_\_\_.

- (a) Bio reader (b) Field  
(c) Pit (d) Underground

4. The pH of the raw material should not exceed

- (a) 6 – 6.5 (b) 5 – 5.5  
(c) 6.5 – 7 (d) 5.5 – 6

5. Bio compost pit size should be about \_\_\_\_\_ wide.

- (a) 2 m (b) 5 m  
(c) 3 m (d) 6 m

6. In composting pit, spread dry wastes with cattle dung and soil in the ratio of

- (a) 1:1:1 (b) 1:2:1  
(c) 4:2:1 (d) 3:2:1

7. \_\_\_\_\_ is not the value added product of industrial waster.

- (a) Biofuel (b) Biopesticide  
(c) Biohydrogen (d) Bio reader

8. Biocompost is a rich source \_\_\_\_\_ for the soil

- (a) Carbon (b) Carbodioxide  
(c) Sulphur (d) Hydrogen

9. The selling price of vermicompost is

- (a) Rs. 30/kg (b) Rs. 10/kg  
(c) Rs. 50/kg (d) Rs. 75/kg

10. The vermicompost is harvested in \_\_\_\_\_ days.

- (a) 60 (b) 80  
(c) 100 (d) 90

PART B — (5 × 5 = 25 marks)

Answer ALL questions choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) Mention the basic steps of compost making.

Or

(b) Describe the ecological importance of bio composting.

12. (a) Describe the method of filling the composting pit.

Or

(b) Explain Batch composting Technology.

13. (a) Explain how the bio compost pit is prepared.

Or

(b) Describe the preparation of compost bed.

14. (a) Application of bio compost in waste reduction – Give short notes.

Or

(b) Application of bio compost in value added products Illustrate.

15. (a) Give an account on the economic benefits of composting.

Or

(b) Explain how do the Self help group benefited from bio compost unit.

PART C — (5 × 8 = 40 marks)

Answer ALL questions choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Describe aerobic and anaerobic bio composting in detail.

Or

(b) Critically analyze vermincomposting.

17. (a) Illustrate Heap composting technology.

Or

(b) Describe continuous, method of bio composting technology.

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18. (a) Explain the preparation of vermicompost pit.

Or

(b) Describe how the vermicompost bed is prepared.

19. (a) What are the Application of Bio compost in soil fertility?

Or

(b) Highlight the application of bio compost in promotion of plant growth.

20. (a) Explain economics of establishment of a small bio compost unit.

Or

(b) Generally what are the 10 key elements needed for project proposed for self help group?

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