

B.Sc. 4th Semester Examination 2023 (CBCS)

(Skill Enhancement Course)

VERMICOMPOST TECHNOLOGY

Paper : SEC 4.1

Full Marks: 40

Pass Marks: 16

Time: 2 hours

The figures in the margin indicate full marks for the questions

1. Choose the correct answer: **1x4=4**
 - (i) The optimum temperature range suitable for vermicomposting is **15° – 30° C/ 25° – 30° C/ 10° – 20° C/ None of these.**
 - (ii) The feedstock of vermicomposting should not contain **egg shells/ paddy straws/ dry leaves/ citrus fruits.**
 - (iii) Sour crop is caused by **excessive protein content/ excessive water content/ high temperature/ high pH** in the bedding material or feedstock.
 - (iv) The moisture content of stored vermicompost should be **10% / 40%/ 50%/ 25%.**

2. Answer very briefly: (any four) **2x4=8**
 - (i) Write the scientific name of the two most common species of earthworms used for household vermicomposting.
 - (ii) What is vermibed?

B.Sc. 4th Semester Examination 2023 (CBCS)

(Skill Enhancement Course)

VERMICOMPOST TECHNOLOGY

Paper : SEC 4.1

Full Marks: 40

Pass Marks: 16

Time: 2 hours

The figures in the margin indicate full marks for the questions

1. Choose the correct answer: **1x4=4**
 - (i) The optimum temperature range suitable for vermicomposting is **15° – 30° C/ 25° – 30° C/ 10° – 20° C/ None of these.**
 - (ii) The feedstock of vermicomposting should not contain **egg shells/ paddy straws/ dry leaves/ citrus fruits.**
 - (iii) Sour crop is caused by **excessive protein content/ excessive water content/ high temperature/ high pH** in the bedding material or feedstock.
 - (iv) The moisture content of stored vermicompost should be **10% / 40%/ 50%/ 25%.**

2. Answer very briefly: (any four) **2x4=8**
 - (i) Write the scientific name of the two most common species of earthworms used for household vermicomposting.
 - (ii) What is vermibed?

(iii) How do humic acid present in vermicompost help plant growth?

(iv) Name two common enemies of the earthworms used in vermicomposting?

(v)

3. Write short notes: (any two) **6x2=12**

(i) Vermiwash

(ii) Nutritional composition of vermicompost

(iii) Significance of vermicomposting

4. Differentiate between chemical fertilizers and vermicompost. **6**

Or,

Describe the factors affecting vermicomposting and vermiculture process. **6**

5. What is the basic difference between vermicomposting and vermiculture? Describe the different methods of harvesting of earthworms. **2+8=10**
