1(Sem–1) BVHPT02

2025

HERBAL PROCESSING TECHNOLOGY

Paper : HPT0100204/HPT0100204–N

(Compost Preparation of Mushroom)

Full Marks : 45

Time : 2 hours

The figures in the margin indicate full marks for the questions.

1. Fill in the blanks : 1×5=5

   (i) Mushrooms belong to the kingdom _____.

   (ii) Edible mushrooms are rich in _____ and vitamins.

   (iii) The ideal carbon to nitrogen ratio for compost preparation is _____.

   (iv) Compost prepared without chemical additives is called _____ compost.

   (v) Pasteurization is carried out to destroy _____ organisms.

2. Answer the followings : ***(any five)*** 2×5=10

(i) What is meant by edible mushroom ?

(ii) Write *two* examples of cultivated mushrooms.

(iii) Mention *two* nutritional benefits of mushrooms.

(iv) What are agricultural by-products ? Give *two* examples used in composting.

(v) Define C:N ratio.

(vi) What is synthetic compost ?

(vii) Write *two* tools required for compost preparation.

(viii) What is pasteurization in composting ?

(ix) Mention *two* pests affecting mushroom compost.

(x) What is indoor composting ?

3. Write short note on : ***(any four)*** 5×4=20

(i) Classification of edible mushrooms

(ii) Medicinal importance of mushrooms

(iii) Base materials used for mushroom compost

(iv) Nutrient sources in compost preparation

(v) Natural compost and its advantages

(vi) Synthetic compost and its composition

(vii) Storage of agricultural by-products for composting

(viii) Role of nitrogen and carbon in compost preparation

4. Write the answer : ***(any one)*** 10×1=10

(i) Explain the importance of mushrooms. Describe their nutritional and medicinal aspects.

(ii) Describe the preparation of mushroom compost using agricultural by-products. Explain the role of C:N ratio and nutrients.

(iii) Explain different types of compost used in mushroom cultivation.

(iv) Describe various methods of composting. Discuss short and long methods, indoor and outdoor composting, and the role of pasteurization.

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