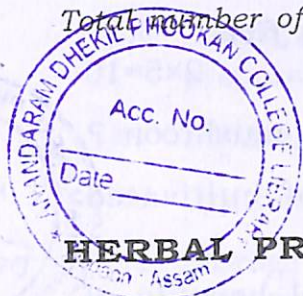


Total number of printed pages – 3

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)** $2 \times 5 = 10$

$2 \times 5 = 10$

- (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)** $5 \times 4 = 20$

- (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)** $10 \times 1 = 10$

- (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.

