

[Question of Term Final Examination]



Khulna University

School: Life Science Discipline: Agrotechnology Program: MS in Horticulture
Year: MS, 1st Term: 2nd Examination Year: 2025 Session: 2024-2025
Course Code: 0811 08 HRT 5201 Course Title: Spices and Plantation Crops
Total Marks: 60 Time: 3 hours Credit: 03

- The FIGURES in the right margin indicate full marks. The questions are of equal value.
- Use separate sheets for each section.
- Draw and label wherever necessary.

Section A

There are **FOUR** questions in this section. Answer any **THREE** questions.

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|-------|---|---------|
| 1 (a) | Compare and contrast spices, culinary herbs, and condiments. [L2; CLO1] | 3.0 |
| (b) | 'The history of herbs and spices is as old as mankind' – explain. [L4; CLO2] | 3.0 |
| (c) | Classify spices based on the plant parts used. [L2; CLO1] | 2.0 |
| (d) | Comment on the present status of spices production in Bangladesh. [L4; CLO2] | 2.0 |
| 2 (a) | List the problems of spices production in Bangladesh. Propose strategic plans to solve the issues. [L6; CLO1] | 2+3=5.0 |
| (b) | List the major active compounds of allspice, garlic, Indian bay leaf, black pepper, and chab. [L1; CLO2] | 1.25 |
| (c) | Differentiate between bay leaf and Indian bay leaf. [L2; CLO2] | 2.5 |
| (d) | State the health benefits of black cumin. [L2; CLO2] | 1.25 |
| 3 (a) | Give an outline of the production technology of onions. Propose strategies to maintain the market price of onions in Bangladesh. [L2; CLO2] | 4+3=7.0 |
| (b) | What is, in your opinion, the main barrier to cumin cultivation in Bangladesh? Validate your opinion. [L6; CLO2] | 3.0 |
| 4 (a) | "Processing of turmeric is a systematic way" – defend the statement. [L5; CLO5] | 4.0 |
| (b) | Analyze the cultural practices for clove and nutmeg cultivation. [L4; CLO5] | 3.0 |
| (c) | Discuss the processing technique for white pepper. [L3; CLO5] | 3.0 |

*Levels of Bloom's cognitive domain:

[L1=Remember; L2=Understand; L3=Apply; L4=Analyze; L5=Evaluate; L6=Create]