

BINDURA UNIVERSITY OF SCIENCE EDUCATION

FACULTY OF AGRICULTURE AND ENVIRONMENTAL SCIENCE

AGH417

**Department of Crop Science
BSc Agricultural Science (Honours) Part IV Examination
Nursery Production and Management**

3 HOURS (100 Marks)

JAN 2025

INSTRUCTIONS

Answer any **FOUR** questions. Each question carries **25 marks**.

1. (a) Define seed dormancy. [2 marks]
(b) Write short notes on any 3 types of seed dormancy. [9 marks]
(c) Outline the different methods of breaking seed dormancy. [7 marks]
(d) Outline the importance of seed dormancy. [7 marks]
2. Explain the role of a nursery manager in ensuring the smooth operation of a nursery. [25 marks]
3. Discuss the role of greenhouses and shadehouses as propagation structures. [25 marks]
4. (a) Explain the importance of sterilisation and sanitation in plant propagation. [10 marks]
(b) Describe the steps involved in propagating plants using grafting. [15 marks]
5. Describe the role of organic matter in soil fertility and plant growth of nursery plants. [25 marks]
6. Discuss the factors to consider when selecting a site for a nursery. [25 marks]

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