

MGU-BVOC (HONOURS) REGULAR EXAMINATION APRIL 2026
SECOND SEMESTER
BVOC (HONOURS) AGRICULTURE TECHNOLOGY
MG2MDCBAT100-PLANT PROPAGATION METHODS

Time:1hr

Maximum Marks:35

PART A

Short answer

Answer any 5 questions

Each carries 2 marks

1. What is plant propagation?[K]CO1
2. Define Plant growth.[K]CO1
3. Write short on grand period of growth.[K]CO1
4. What is germination?[U]CO2
5. Mention any two methods of seed preparation. [U]CO2
6. What is budding? [U]CO2
7. List out the plants propagated by simple layering [U]CO2

(2*5=10)

PART B

Short essay

Answer any 2 questions

Each carries 5 marks

8. Briefly explain the importance of plant propagation in horticulture.[K]CO1
9. Explain the process of seed germination.[U]CO2
10. Write a short note on factors that influence plant growth.[K]CO1
11. Explain about detached methods of grafting.[U]CO2

(5*2=10)

PART C

Essay

Answer any 1 question

carries 15 marks

12. Explain the phases of plant growth and also explain growth curve with suitable diagram.[K]CO1
13. Write an essay on methods of vegetative propagation.[U]CO2

(1*15=15)

MGU-BVOC (HONOURS) Regular EXAMINATION April 2026

SECOND SEMESTER

BVOC (HONOURS) AGRICULTURE TECHNOLOGY

MG2SDCBAT100-PROTECTED CULTIVATION OF HORTICULTURAL CROPS

Part A

Short Answer

Answer any 5 questions

Each question carries 2 marks

TIME:1.5Hr

TOTAL MARKS:50

1. Define greenhouse.Give examples [K] CO1
- 2.What is mister?What is the function? [A]CO3
3. What is gravel culture? [A] CO3
4. Define Infrared heaters. [U] CO2
- 5 .What is grading? [An]CO4
6. Enlist the components of drip irrigation. [A]CO3
7. Define cold frame. [K]CO1

(5*2=10)

PART B

Short essay

Answer any 5 questions

Each question carries 5 marks

- 8.Write a note on importance of protected cultivation. [K] CO1
- 9.Differentiate training and pruning. [An] CO4
- 10.What are the challenges in drip irrigation. [A] CO3
- 11.Write a note on fan and pad cooling system. [U] CO2

12. Write a short note on components of greenhouse. [K]CO 1
13. Discuss the uses of containers in greenhouse production. [A]CO3
14. Write a short note on drip irrigation. How it is helpful in greenhouse cultivation? [A]CO3
- (5*5=10)**

PART C

Essay

Answer any 1 question

Each question carries 15 marks

15. Write an essay on scope and importance of protected cultivation in India. [K] CO1
16. Discuss in detail about the harvesting methods followed in protected cultivation. [An]CO4
- (15*2=30)**

MGU-BVOC (HONOURS) REGULAR EXAMINATION APRIL 2026
SECOND SEMESTER
BVOC (HONOURS) AGRICULTURE TECHNOLOGY
MG2SDCBAT101-FUNDAMENTALS OF CROP PROTECTION

Time: 2hr

Maximum marks: 70

PART A

Short answer

Answer any 10 questions

Each carries 2 marks

1. Define pest. [K]CO1
2. Define inoculum. [U]CO2
3. List out the harmful effects of weeds. [A]CO3
4. What is integrated plant disease management? [An]CO4
5. List out the pests of banana [K]CO1
6. Define mycelium. [U]CO2
7. Write a short note on wetland weed and give an example. [A]CO3
8. Define crop rotation. [An]CO4
9. Write the symptoms of yellow stem borer of rice. [K]CO1
10. List out the steps of disease cycle [U]CO2
11. List the major sedges that grown in vegetable field [A]CO3
12. Define antibiosis [An]CO4

(2*10=20)

PART B

Short essay

Answer any 4 questions

Each carries 5 marks

13. Briefly explain the causes of pest outbreak [K]CO1
14. Explain the methods of reproduction in fungi [U]CO2
15. Write a note on classification of weeds on the basis of ecological affinities and origin. [A]CO3
16. Explain various plant products used in plant disease management. [An]CO4
17. Write a short note on the diseases of brinjal. [A]CO3
18. Write a note on the classification of pesticides [An]CO4

(5*4=20)

PART C

Essay

Answer any 2 questions

Each carries 15 marks

19. Write a detailed note on the major pests of rice. [K]CO1
20. Write an essay on the diseases of chilli. [U]CO2
21. Write an essay on the classification of weeds. [A]CO3
22. Discuss in detail about physical method of plant disease management. [An]CO4

$$(15 \cdot 2 = 30)$$

MGU-BVOC (HONOURS) Regular EXAMINATION April 2026

Second SEMESTER

BVOC (HONOURS) AGRICULTURE TECHNOLOGY

MG2SDCBAT102-FUNDAMENTALS OF SOIL SCIENCE (MODEL QUESTION PAPER)

Part A

Short Answer

Answer any 5 questions

Each question carries 2 marks

Time: 1.30 hr

Maximum marks:50

- | | |
|---|---------|
| 1. Define soil structure | [K] CO1 |
| 2. What is micro pores | [U]CO2 |
| 3. What is sheet erosion ? | [A]CO3 |
| 4. What are the components of INM ? | [K]CO1 |
| 5 .Write two deficiency Symptoms of Potassium | [K]CO1 |
| 6. Write the Mechanism of Wind Erosion | [A]CO3 |
| 7. What is quartering of soil sample | [An]CO4 |

[2*5=10]

Part B

Short Essay

Answer any 5 questions

Each question carries 5 marks

- | | |
|--|---------|
| 8. What are the physical properties of soil | [U]CO2 |
| 9. Write shortly on characteristics of top soil | [K]CO1 |
| 10. Define soil testing and purpose of soil testing | [An]CO4 |
| 11. Describe detail about the agronomic methods of water erosion | [A]CO3 |
| 12. Write about role of Ca ,Mg, S in plants | [K]CO1 |
| 13. Write a short note on Capillary water and Hygroscopic water | [U]CO2 |
| 14. Discuss the formation and composition of soil organic matter | [A]CO3 |

[5*5=25]

Part C

Essay

Answer any 1 question

Each question carries 15 marks

15. What is soil air. Write the composition of soil air and factors affecting composition of soil air [U]CO2

16. Define plant nutrients? Discuss in detail about classification of plant nutrients? [K]CO1

[15*1=15]