


MEDICAPS
UNIVERSITY

Faculty of Agriculture

End Semester Examination May 2025

Disease of Field & Horticultural Crops & Their Management -II AG3CO45

Programme	: B. Sc. (Hons.)	Branch/Specialisation	: Agronomy
Duration	: 3 hours	Maximum Marks	: 50

Note: All questions are compulsory. Internal choices, if any, are indicated. Assume suitable data if necessary. Notations and symbols have their usual meaning.

Section 1 (Answer all question(s))

Marks CO BL

Q1. Variety of wheat which is resistant to three rusts of wheat?

1 1 1

Rubric	Marks
Choti Lerma	1

- ☐ Larma rojo ☐ Safed Lerma
☒ Choti Lerma ☐ Lok-1

Q2. Scientist who worked on rust of wheat in India?

1 1 1

Rubric	Marks
K.C. Mehta	1

- ☐ P.A. Michelli ☒ K.C. Mehta
☐ T.J. Burril ☐ E.J. Butler

Q3. In fusarium wilt of Bengal gram root turn into_____.

1 2 1

Rubric	Marks
Dull Brown	1

- ☐ White ☐ Green
☒ Dull Brown ☐ Black to Milky white

Q4. Vitavax and Plantvax are_____.

1 2 1

Rubric	Marks
Fungicides	1

- ☒ Fungicides ☐ Pesticides
☐ Insecticides ☐ Herbicides

Q5. *Albugo candida* is the causal organism of_____.

1 3 1

Rubric	Marks
White rust	1

- ☐ Wilt of sugarcane ☐ Smut of sugarcane
☐ Ratooning of Sugarcane ☒ White rust

Q6. apple scab disease is caused by _____.

1 3 1

Rubric	Marks
<i>Venturia inaequalis</i>	1

- ☒ *Venturia inaequalis*
☐ *Alternaria porri*
☐ *Alternaria solani*
☐ *Fusarium spp.*

Q7. Black arm is major disease of _____.

1 4 1

Rubric	Marks
Cotton	1

- ☐ Mango
 ☐ Potato
☐ Citrus
 ☒ Cotton

Q8. Anthracnose disease of grapes is also known as _____.

1 4 1

Rubric	Marks
Bird eye disease	1

- ☐ Bunchy top disease
 ☐ Cabbage top disease
☐ None of these
 ☒ Bird eye disease

Q9. Hot water treatment was given by _____.

1 5 1

Rubric	Marks
Jensen	1

- ☐ Sattar & Luthra
 ☐ K.C. Mehta
☒ Jensen
 ☐ T. J. Burill

Q10. The Great Irish famine was occur during _____ year.

1 5 1

Rubric	Marks
1845 and 1852	1

- ☐ 1848 and 1850
 ☐ 1850 and 1853
☒ 1845 and 1852
 ☐ 1840 and 1855

Section 2 (Answer all question(s))

Marks CO BL

Q11. Give two name of rust with their causal organism.

2 1 1

Rubric	Marks
Give two name of rust with their causal organism.	2

Q12. How many types of rust found in lentil, briefly describe.

2 1 1

Rubric	Marks
Describe the types of rust in lentil.	2

Q13. (a) Write causal organism, symptoms, pathogen, disease cycle, favourable condition and management of red rot of Sugarcane.

4 1 1

(OR)

(b) Write the symptoms and management of white rust and stem rot of mustard.

Section 3 (Answer all question(s))**Marks CO BL****Q14.** Write causal organism, symptoms, disease cycle and management of stem rot of Sunflower.**2 2 1**

Rubric	Marks
Write causal organism and symptoms of stem rot of Sunflower.	1
Write disease cycle and management of stem rot of Sunflower.	1

Q15. Write causal organism of Fusarium Wilt of Gram and Bacterial Wilt of Cotton.**2 3 1**

Rubric	Marks
Write causal organism of Fusarium Wilt of Gram of Cotton.	1
Write causal organism of Bacterial Wilt of Cotton.	1

Q16. (a) Define mycelium, conidiospore and teliospore with example.**4 3 1**

Rubric	Marks
Define mycelium with example.	2
Define conidiospore and teliospore with example.	2

(OR)**(b)** Write the etiology and disease cycle of rust of lentil.**Section 4 (Answer any 2 question(s))****Marks CO BL****Q17.** Write in detail causal organism, symptoms, disease cycle and management of wilt of gram.**4 3 1**

Rubric	Marks
Write in detail causal organism, symptoms, disease cycle and management of wilt of gram.	2
Write in detail causal organism, symptoms, disease cycle and management of Aschochyta Blight.	2

Q18. How anthracnose is different than black arm of cotton?**4 3 1**

Rubric	Marks
How anthracnose is different than black arm of cotton?	2
In details causal organism, symptoms, disease cycle and management of powdery mildew of pea.	2

Q19. Write causal organism, symptoms, disease cycle and management of powdery mildew of pea.**4 3 1****Section 5 (Answer all question(s))****Marks CO BL****Q20.** Write down the management of fire blight of Apple.**2 4 1**

Rubric	Marks
Management against fire blight of Apple.	2

Q21. Discuss about how to manage diseases. Give the major role of environmental condition for disease development. 2 4 1

Rubric	Marks
How will manage diseases problem in field crops.	1
Give the major role of environmental condition for disease development.	1

Q22. (a) Discuss the major disease of Banana with symptoms and management. 4 4 1

Rubric	Marks
Discuss the major disease of Banana with symptoms.	2
Discuss the Majdisease management of banana.	2

(OR)

(b) Explain malformation in mango also write its management.

Section 6 (Answer any 2 question(s))

Marks CO BL

Q23. Explain the two major diseases of Chillies with their causal organism, symptoms, disease cycle and management. 4 5 1

Rubric	Marks
Explain the two major diseases of Chillies with their causal organism and symptoms.	2
Explain the two major diseases of Chillies with their disease cycle and management.	2

Q24. Explain the two major diseases of potato with their causal organism, symptoms, disease cycle and management. 4 5 1

Rubric	Marks
Explain the two major diseases of potato with their causal organism and symptoms.	2
Explain the two major diseases of potato with their disease cycle and management.	2

Q25. Explain the two major diseases of onion with their causal organism, symptoms, disease cycle and management. 4 5 1

Rubric	Marks
Explain the two major diseases of onion with their causal organism and symptoms.	2
Explain the two major diseases of onion with their disease cycle and management.	2
