

School of Science School:

Division of Biomedical and Life Sciences Program/s:

Year: 2nd Semester: 3rd

Examination: End Semester Examination

Examination year: December 2022

Course Code: LS167 Course Name: Immunology: Plant Defense Mechanisms

Date: 13/12/2022 Time: 8:30 am to 10:30 am Total Marks: 40

Total Pages: 02

## Instructions:

→ Use of a calculator is permitted/not permitted.

→ Draw neat and labelled diagrams/charts wherever necessary.

	COs*	BTL"
1	CO1	BT1
	C02	ВТ3
1	C03	BT2
1	CO4	BT3
1	CO4	ВТ3
1	COI	BT1
1	l a l	1 CO1 a 1 CO2 y 1 CO3

Q.2	Answer the following in brief: (2 x 2 Marks)	2 = 4		CO1, CO2, CO3, CO4	BT1, BT2, BT3
	1. What are allelochemicals?		2		
	2. Define: Host and Pathogen.		2		
Q.3	Answer <u>any five</u> of the following: (5 x 30 Marks)	6 =		CO1, CO2, CO3,	BT1,
	Comment upon the pre-existing structural defense mechanism plants.	ıs in	6	CO4	BT3
	2. Write a short note on Allelopathy.		6		
	<ol> <li>Give any two examples of histological defense structures, wit pathogen and host species.</li> </ol>	th its	6		
	4. Discuss upon the biochemical defense mechanism in plants.		6		
	5. Write a short note on Plant Quarantine.		6		
	6. Explain Hypersensitive Response in your own words.		6		

\*\*\*\*\*\*\*\*\*\*\*\*\*End of Question Paper\*\*\*\*\*\*\*\*