

Enrollment No. _____



NAVRACHANA UNIVERSITY
a UGC recognized University

School: School of Science
Program/s: MSc
Year: 2nd **Semester:** 3rd
Examination: End Semester Examination
Examination year: December - 2021

Course Code: LS203 **Course Name:** Plant Pathology
Date: 03/12/2021
Time: 08:30 am to 10:30 am

Total Marks: 40
Total Pages: 2

Instructions:

- Write each answer on a new page
- Draw neat and well-labelled diagrams wherever required

Q. No.	Details	Marks	COs*	BTL #																
Q.1	<p>Q1 A. Choose the correct option (7Marks)</p> <p>1. MAMPs are</p> <p>a. Molecule associated microbial patterns b. Microbe aligned molecular patterns c. Molecule aligned molecular patterns d. Microbe associated molecular patterns</p> <p>2. _____ is a wild toxin of the tomato wilt pathogen</p> <p>a. Lycomarasmin b. Lycopene c. Lycotoxin d. Lysotoxin</p> <p>3. A _____ is a substance produced in the infected host by the pathogen which functions in the production of the disease but is not itself the initial inciting agent of the disease</p> <p>a. Pathotoxin b. Vivotoxin c. Phytotoxin d. Tabtoxin</p> <p>4. Which of the following is a correctly matched function of the given enzyme?</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;">A</td> <td style="width: 30%;">Pectin methyl esterases</td> <td style="width: 5%;">1</td> <td style="width: 60%;">hydrolyze methyl ester group of pectinic acid</td> </tr> <tr> <td>B</td> <td>Pectinesterases</td> <td>2</td> <td>hydrolyze pectic substances</td> </tr> <tr> <td>C</td> <td>Polygalacturonases</td> <td>3</td> <td>break the link between adjacent galacturonic acid units in pectic substances</td> </tr> <tr> <td>D</td> <td>Lignolytic anzymes-</td> <td>4</td> <td>convert hemicelluloses to pentoses and uronides</td> </tr> </table> <p>5. _____ is the causal agent of the Dutch elm disease</p>	A	Pectin methyl esterases	1	hydrolyze methyl ester group of pectinic acid	B	Pectinesterases	2	hydrolyze pectic substances	C	Polygalacturonases	3	break the link between adjacent galacturonic acid units in pectic substances	D	Lignolytic anzymes-	4	convert hemicelluloses to pentoses and uronides	14	CO1, 2,3,4	BT1, 2
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