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School of Biological and Life sciences**Bachelor of Science Honours in Microbiology****Semester End Examination - Nov 2023****Duration : 180 Minutes****Max Marks : 100****Sem V - C2UC505T - Plant Pathology**General Instructions*Answer to the specific question asked**Draw neat, labelled diagrams wherever necessary**Approved data hand books are allowed subject to verification by the Invigilator*

- 1) Relate the invasion process of pathogens in plant disease. K1 (2)
- 2) Illustrate the role of pathogenesis related (PR) proteins in plant K2 (4)
- 3) Outline the layout of pathogen derived genes and define its role in causing disease. K2 (6)
- 4) Identify the concept of crop rotation. K3 (9)
- 5) Identify the concept of crop certification with control mechanism. K3 (9)
- 6) Determine the concept of resistance of pathogens to chemicals.. K5 (10)
- 7) Examine the different disease caused by bacteria in plant. K4 (12)
- 8) Interpret the role of Effects of pathogens on plant physiological processes K5 (15)
- 9) Interpret the classification of toxins with their effect on plant. K5 (15)
- 10) Elaborate the effect of true resistance in plant for protection from diseases K6 (18)