

**School of Biological and Life sciences****Bachelor of Science in General Zoology Botany Chemistry  
Semester End Examination - Jun 2024****Duration : 180 Minutes  
Max Marks : 100****Sem II - P1UG201B - Microbiology and 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*

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| 1)  | What is the working and principle of electron microscope   | K1(2)  |
| 2)  | Define the Mass production of bacterial biofertilizers   | K2(4)  |
| 3)  | Evaluate the structure of virus with well labeled diagram.                                       | K2(6)  |
| 4)  | Examine the structure of cell wall of gram positive bacteria                                     | K3(9)  |
| 5)  | Define the Pre-penetration, Penetration and Postpenetration process of infection                 | K3(9)  |
| 6)  | Describe the role of antagonistic microbes-bacteria and fungi for controlling the plant disease. | K5(10) |
| 7)  | Classify the role of genetic engineering in disease resistant plants                             | K4(12) |
| 8)  | Identify the reproduction process of Bacteriophage.  | K5(15) |
| 9)  | Elaborate the effect of true resistance in plant for protection from diseases                    | K5(15) |
| 10) | Discuss the fungi on the basis of thallus organization with well labeled diagram.                | K6(18) |