

School of Biological and Life sciences**Master of Science in Microbiology
Semester End Examination - Jun 2024****Duration : 180 Minutes
Max Marks : 100****Sem II - P1PT201T - MSMB5014 - Advanced Virology***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) | Show the applications of competitive ELISA. | K1(2) |
| 2) | Illustrate difference between enveloped and non-enveloped viruses with suitable diagram. | K2(4) |
| 3) | Show the classification and nomenclature of animal virus. | K2(6) |
| 4) | Identify the classification of plant virus. | K3(9) |
| 5) | Identify the family, types and characters features of cyanophages . | K3(9) |
| 6) | Interpret the mechanism of different types of vaccine with suitable examples. | K5(10) |
| 7) | Elaborate and draw the structure of bacteriophage. | K4(12) |
| 8) | Compare the persistent, non-persistent and semi-persistent relationship between virus and vector. | K5(15) |
| 9) | Illustrate the morphology and symmetry of virus. | K5(15) |
| 10) | Elaborate the biochemical changes which created after plant virus infection in a host cell. | K6(18) |