

# Rajiv Gandhi University of Health Sciences, Karnataka

## Fellowship Examination – 22-Aug-2024

**[Time: 3 Hours]****[Max. Marks: 100]**

### **VIROLOGY - PAPER – I**

#### **QP Code: 4373**

Your answers should be specific to the questions asked  
Draw neat labeled diagrams wherever necessary

**Answer All The Questions****10 X 10 = 100 Marks**

1. Write in detail about usability, advantages and newer prospect of cell culture in medical virology.
2. Dengue vaccine and its current status.
3. Pathogenesis of oncoviruses.
4. Strategies for HIV -1 vaccine.
5. Role of interferons and interleukins in viral infections.
6. Role of microscopy in viral diagnosis in era of molecular diagnosis.
7. CRISPR technology and its diagnostic applications.
8. List and briefly discuss amplification chemistries in use in a clinical virology laboratory.
9. Life cycle of viruses. Add a note on effect of viral and host heterogeneity on viral replication.
10. Development strategies of monoclonal antibodies to combat viral infections.

\* \* \* \* \*