

Rajiv Gandhi University of Health Sciences, Karnataka

Fellowship Examination – 08-Sep-2023

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

VIROLOGY - PAPER – II

QP Code: 4374

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. Name the opportunistic viral disease. Describe the pathogenesis, lab diagnosis and treatment of CMV infections.
2. Enlist the oncogenic viruses. Discuss the mechanism of oncogenic transformation.
3. Discuss the etiopathogenesis and lab diagnosis of Dengue shock syndrome.
4. A 18 year old male is brought to the emergency with acute diarrhoea and fever since 4 days. Stool culture yields normal commensals. Discuss the diagnosis of viral etiology in this patient.
5. Write in detail on the epidemiology, symptoms, diagnosis and treatment of chikungunya virus.
6. Discuss the laboratory investigations of immunity to measles, mumps and rubella virus in paediatric and adult population.
7. How are viral vaccines manufacture? Discuss the safety and quality control of vaccines.
8. Influenza has caused many pandemic. Discuss what is know about the viral and whost genes that determine the Lethality of influenza virus in humans and avians.
9. Describe the life cycle and pathogenesis of poliovirus and discuss the difficulties in the final eradication of polio world wide.
10. Describe the replication cycle and pathogenesis of Polio virus and the problem in its control.

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