

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**MBBS (Phase - II) Degree Examination - 05-Feb-2024**

**Time: Three Hours**

**Max. Marks: 100**

**MICROBIOLOGY - PAPER II (RS-3)**  
**QP CODE: 1084**

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

**LONG ESSAYS**

**2 x 10 = 20 Marks**

1. Describe the life cycle and laboratory diagnosis of *Plasmodium falciparum*.  
Mention the complications of **Plasmodium** falciparum infection
2. Discuss the pathogenesis and prophylaxis of poliomyelitis

**SHORT ESSAYS**

**10 x 5 = 50 Marks**

3. Describe the pathogenesis and laboratory diagnosis of **aspergilloma**
4. Describe the life cycle and laboratory diagnosis of Hydatid cyst disease
5. Describe the life cycle of *Ascaris lumbricoides*
6. Laboratory diagnosis of dermatophytosis
7. Describe the laboratory diagnosis of candidiasis
8. Dengue infections - **epidemiology and laboratory diagnosis**
9. Describe the methods of safe disposal of biomedical waste
10. Discuss the antigenic variations in Influenza
11. What is Cytopathic effect? Mention different types of Cytopathic effect with suitable examples
12. Describe the laboratory diagnosis of Rabies

**SHORT ANSWERS**

**10 x 3 = 30 Marks**

13. Mention three stool concentration techniques
14. What is Larva migrans? Give example
15. Describe the morphology of eggs of trichuris
16. NIH swab
17. Name three soil transmitted **helminths**
18. Describe the immunoprophylaxis for COVID - 19
19. Name three viral vaccines
20. Name four viruses that are transmitted from mother to baby
21. Name three flaviviruses

22. Universal precautions to be practiced in health care setting

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