

**Write short notes on:**

1. a) Enumerate the diseases caused by Rickettsia spp. 2+(2+3+3)  
b) Discuss the clinical features, diagnosis and management of Scrub typhus.
2. a) Discuss the strategies for Tuberculosis preventive treatment. 5+5  
b) Discuss the role of Urinary Lipoarabinomannan (LAM) test in Tuberculosis.
3. a) Define advanced HIV disease. 2+4+4  
b) What are the implications of advanced HIV disease?  
c) Outline the recent WHO guidelines for Antiretroviral treatment (ART) initiation for HIV 1 infection.
4. a) What are the differential diagnosis of fever with jaundice? 4+(3+3)  
b) Outline the laboratory diagnosis and complications of Leptospirosis.
5. Discuss the clinical manifestations, diagnosis and management of Cytomegalovirus (CMV) infections. 10
6. a) Discuss the possible factors implicated for the Nipah Virus outbreak in Kerala. 4+(3+3)  
b) Outline the clinical features and diagnosis of Nipah virus infections.
7. a) What are the clinical manifestations of Cryptococcal infections? 3+4+3  
b) Critically analyse the role of Cryptococcal antigen (CrAg) in these infections.  
c) Outline the management of Cryptococcal meningitis.
8. a) What are the factors responsible for the resurgence of Pertussis in adults? 3+(3+4)  
b) Discuss the clinical features and diagnosis of Pertussis in adults.
9. a) What are the risk factors for Catheter Associated Urinary Tract Infections (CAUTI)? 3+(3+4)  
b) Discuss the diagnosis and management of CAUTI.
10. Discuss the complications of Falciparum malaria. 10