

**The West Bengal University of Health Sciences**  
**M.D. (Microbiology) March- April, 2020 Examination**

Paper: III

Full Marks: 100  
Time: 3 Hours*Attempt all questions*

1. Discuss the epidemiology, clinical features, laboratory diagnosis & candidate drugs/  
vaccines with respect to SARS- CoV2 ( COVID-19 disease). 10
2. Discuss current national guidelines for diagnosis of Hepatitis B & Hepatitis C. what are  
benefits obtained under the NVHCP with regard to control of this silent epidemic. 10
3. Discuss the immuno pathogenesis of AIDS. Discuss HIV testing strategies in India  
(under NACO). 5+5
4. Write a brief essay on drug resistance in Malaria. 10
5. Write about aetiopathogenesis & laboratory diagnosis of primary amoebic  
meningoencephalitis. 10
6. Write what you know about microfilaria of different tissue nematodes. Give diagrams. 10
7. Discuss the Transfusion Transmitted Infections & their preventive measures. 10
8. Write down antibody response against Dengue viruses & it's relation with DHT & DSS.  
10
9. Give a brief account on antirabies vaccine & guideline of post-exposure prophylaxis. 10
10. Describe the life cycle of *Toxoplasma gondii*. How congenital toxoplasmosis is detected.  
6+4