1. Classify viruses on the basis of nucleic acid. Briefly describe replication of various types of viruses.  

2. Classify Human Herpes viruses. Enumerate the various infections caused by them. Briefly describe the pathogenicity and laboratory diagnosis of Ebstein Barr virus.  

3. Briefly describe the National Policy and various approaches for diagnosis of HIV. Write briefly on External Quality Assurance Scheme (EQAS) program.  

4. Define prions. Enumerate the diseases caused by prions and describe their clinical characteristics.  

5. Enlist the various agents causing viral haemorrhagic fevers. Briefly describe the pathogenesis and laboratory diagnosis of a case of dengue haemorrhagic fever.  


7. Enlist opportunistic parasitic infections in man in a case of AIDS. Briefly describe the clinical presentation, pathogenesis and laboratory diagnosis of toxoplasmosis.  

8. Tabulate differences between human malarial parasites. Draw suitable diagram(s). Write briefly on complications of malaria.  

9. Write briefly general characteristics of cestodes. Describe the life cycle, morphology, pathogenicity and laboratory diagnosis of Echinococcus granulosus.  

10. Describe geographical distribution, habitat, morphology, life cycle and pathogenicity of Paragonimus westermani.