Write short notes on:

1. a) What is sentinel surveillance?
   b) Write its uses and objectives.
   c) Its applicability in HIV/AIDS prevention and control.

2. a) “Measles Vaccine”.
   b) What are the Adverse Events Following Immunization (AEFIs) associated with Measles Vaccine?

3. a) What is probability based sampling?
   b) Different methods of sampling with suitable examples.

4. a) Define hospital acquired infection.
   b) Write sources, routes of spread and preventive measures for hospital acquired infections.

5. a) What is community diagnosis?
   b) What are the steps adopted for community diagnosis?

6. a) List the levels of prevention.
   b) Explain Primary Prevention with suitable examples.

7. Transmission of arthropod borne diseases and the underlying principles of arthropod control.

8. a) Draw an outline of different epidemiological studies.
   b) Differences between analytical and descriptive epidemiology.

9. Stages of Demographic cycle with examples.

10. a) Define zoonoses.
    b) List and classify zoonoses.
    c) Control of zoonoses.