

BONDO UNIVERSITY COLLEGE

SCHOOL OF HEALTH SCIENCES

MAIN CAMPUS

YEAR FIRST SEMESTER EXAMS

HCD 3212: BASIC VIROLOGY

SECTION A: Answer ALL questions in this section (3 Marks each).

1. List the characteristics of viruses.
2. Differentiate between a virus and a virion.
3. List three viral infections that can be acquired congenitally.
4. Briefly describe the basic structure of a virus.
5. Define the following terms;
 - a. Chronic carrier
 - b. Latent infection
 - c. Slow virus infection.
6. Briefly describe the mechanism of action of antiviral drugs.
7. List three methods for the diagnosis of viral infections.
8. Briefly describe three possible consequences of viral infection of a host cell.
9. Give the methods that can be used to control and prevent hepatitis B and D infections.
10. List the causative agent of the following viral infections;
 - a. Smallpox
 - b. Shingles
 - c. Rhinitis

SECTION B

Answer any TWO questions from this section (20 marks each)

1. Discuss virus replication process.
2. With reference to a particular viral disease, discuss its epidemiology, etiology, clinical picture, treatment and prevention and control.
3. Discuss existing and novel methods for the control of viral infections.
4. Discuss the routes of transmission of viral infections.

