

B.D.S.[2nd Prof.]

BF/2009/11

General Microbiology [Old Scheme]

M.M. : 90

Time : 3 Hours

Note : Attempt all questions. Use labeled diagrams wherever needed.

USE SEPARATE ANSWER SHEET FOR EACH PART.

PART - I

1. Define Sterilization. How does it differ from Disinfection. Discuss in detail the methods of Sterilization without using any heat (Both Mechanical and Chemical). [15]
2. **Write short notes on:**
 - a. Bacterial cell wall. [5]
 - b. ELISA. [5]
 - c. Biological effects of complement. [5]
3. **Write briefly:**
 - a. Lab Diagnosis of Pyogenic Meningitis. [5]
 - b. Toxigenicity tests of *C. diphtheriae*. [5]
 - c. *Clostridium botulinum* Exotoxin. [5]

PART - II

4. Discuss the morphology, Antigenic structure, lab diagnosis of Hepatitis B Virus. [15]
5. **Write short notes on:**
 - a. Structure and Major Antigens of HIV. [5]
 - b. Life cycle of Malarial Parasite (Diagram only). [5]
 - c. Normal flora of Mouth and Upper Respiratory Tract. [5]
6. **Discuss briefly:**
 - a. Histoplasmosis [5]
 - b. Water Born Diseases. [5]
 - c. Live Attenuated Vaccines. [5]
