

B.Sc.(N) [1st Year]

BF/2009/06

Microbiology

[Old Scheme]

M.M. : 70

Time : 3 Hours.

Note: Attempt any SEVEN questions.

1. **Write short notes on:**
 - a. Louis Pasteur. [5]
 - b. Robert Koch. [5]
2. Define Sterilization. Write in detail principles and working of Autoclave. [10]
3. **Write short notes on:**
 - a. Bacterial Cell wall. [5]
 - b. Bacterial growth curve. [5]
4. Define Infection. Give different sources of Exogenous infection and write two important factors responsible for virulence of a microbe. [10]
5. **Write short notes on:**
 - a. Heterophile antigens. [5]
 - b. Structure and properties of IgG. [5]
6. Write briefly morphology, pathogenesis and lab. Diagnosis of Mycobacterium Tuberculosis. [10]
7. Write briefly about morphology, pathogenesis and lab. diagnosis of Human Immunodeficiency Virus [HIV]. [10]
8. **Write short notes on:**
 - a. Oral Polio vaccine. [5]
 - b. Superficial Mycosis. [5]
