

General Microbiology

M.M. : 90

Time : 3 Hours

*Note : Attempt all questions.
Use Separate Answer Sheet for Each Part.*

Part - I

1. Enumerate the microorganisms causing Sore throat. Write briefly on the laboratory diagnosis of Diphtheria. [15]

2. **Write short notes on:**
 - a. Enrichment media. [5]
 - b. Type IV hypersensitivity. [5]
 - c. Sterilization by Moist heat. [5]

3. **Write briefly on:**
 - a. Atypical mycobacteria. [5]
 - b. Toxins and enzymes produced by *Staphylococcus aureus*. [5]
 - c. Contribution of Louis Pasteur. [5]

Part - II

4. List the bacterial flora of the Mouth. Write briefly about the dental Plaque. [15]

 5. **Write short notes on:**
 - a. Anaphylaxis. [5]
 - b. Polymerase Chain Reaction[PCR]. [5]
 - c. *Cryptococcus neoformans*. [5]

 6. **Write short note s on:**
 - a. Inclusion bodies. [5]
 - b. Hepatitis B vaccine. [5]
 - c. Life cycle of *Entamoeba histolytica*. [5]
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