

**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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