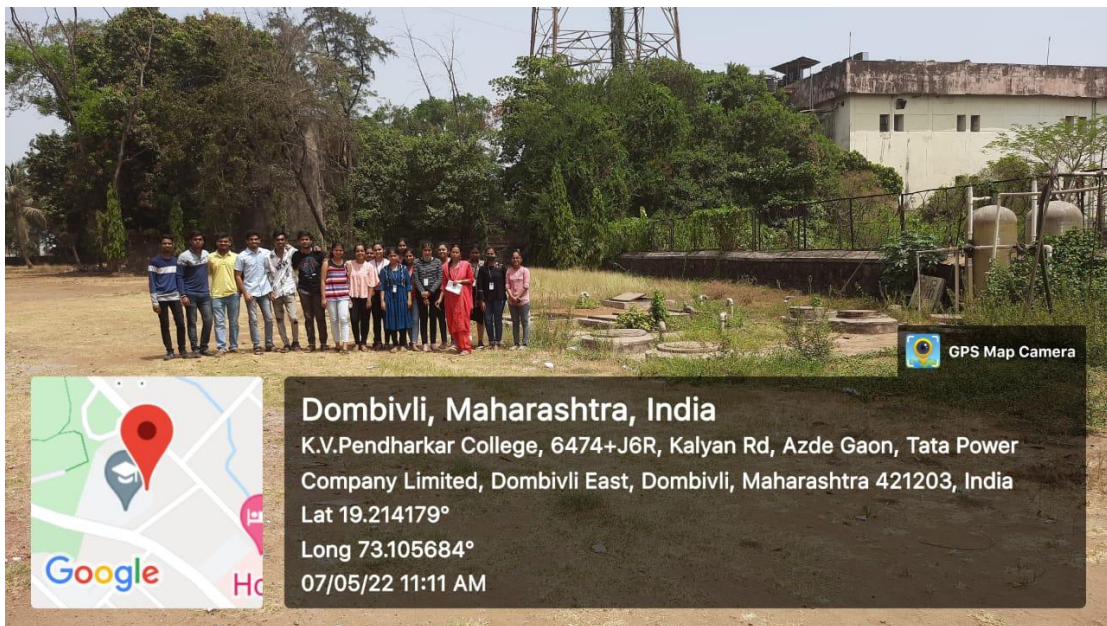


## 7.1.4 Waste water Recycling

### Sewage Plant Process



**AIMS Institute**

**Sub:** Microbiology

Date: 25/11/22

**Midterm Examination**

Marks: 50

**SECTION-A**

**Q.1 Short Answer Questions (Any three out of Four)**

**(3X5=15 Marks)**

- A. Explain Tuberculosis infection and its laboratory diagnosis methods.
- B. Discuss bacterial growth curve
- C. Elaborate on Compound microscope and its use.
- D. Define bacterial Endospore and give its example.

**Q.2 Long Answer Questions (Any one out of Two)**

**(1X10=10 Marks)**

- A. Explain Gram staining (2)
- B. Distinguish between sterilization and pasteurization. (3)
- C. Discuss use of Chemical disinfectants with example. (5)

**OR**

- A. Explain Fomites (2)
- B. Describe specimen collection in Respiratory tract infections. (3)
- C. Describe Koch postulates to detect presence of causative organisms (5)

**SECTION-B**

**Q.1 Short Answer Questions (Any three out of Four)**

**(3X5=15 Marks)**

- A. Explain use of Autoclave oven in moist heat sterilization.
- B. Typhoid and its epidemiology.
- C. Types of Immunity.
- D. Role of nurses in fumigation of Operation Theatre.

**Q.2 Long Answer Questions (Any one out of Two)**

**(1X10=10 Marks)**

- A. Define Hypersensitivity (2)
- B. Explain Phagocytosis. (3)
- C. Elaborate on Shigellosis infection (5)

**OR**

- A. Give significance of Acid fast staining. (2)
- B. Nosocomial infections. (3)
- C. Contribution of Louis Pasteur in Microbiology. (5)

