

Paper No. 3: Land Hygiene/Sanitation and Sewage/Excreta Removal

1. Demonstration of sewage treatment plant.
2. Inspection of soil plant, manhole, and flushing tank.
3. Collection of sewage samples and interpretation of chemical and bacteriological analysis.
4. Inspection of sewage treatment plant, its maintenance, and method of disinfecting it.
5. Cleaning of sewage system – Oil operation and organization of mechanical aspects.
6. Detection/investigation of water pollution.

Removal of excreta and waste

1. Method of waste disposal.
2. Sanitary land filling and demonstration of compost pit.
3. Disposal of excreta.
4. Toilet construction and maintenance
 - Soak-pit.
 - Sanitary latrine.
 - RCA latrine.
 - Septic tank latrine.
 - Sewage treatment plant.
 - Accessible toilets.

5. Excreta Removal

Sewage stream is a waste that includes human feces – Water Pollution – Methods to prevent diseases due to improper removal/discharge:

1. Different types of toilets.
2. Methods of disinfectant use.

3. Bore hole type latrine.

4. R.C.A. toilet.

5. Septic tank toilet.

6. Biogas.

7. Method of disinfecting sewage.

6. Burial and cremation in case of accidents

1. Removal and burial of dead bodies / cremation and record-keeping.

2. Inspection of land for burial and cremation and disposal of ashes.

Land Cleanliness

1. To make samples for assessment of land pollution.

2. Disinfecting the land and changing pH.

3. Types of soil from public health perspective –Causes of soil moisture –Proportion of bacteria and parasites and land health.

Control of bacterial environment

1. Identification and use of insecticides.

2. The method of disinfecting various objects.

3. Understanding the different parts of sprinkler equipment.

4. Use and maintenance of sprinkler.

5. Use of antiseptics.

6. Use of mice-killing drugs.

Housing

1. Survey of home design for determining cleanliness criteria.
2. Fairs – Industrial Estates/Residence Inspection and Sanitation Management.
3. Food – Housing – Water – Lighting – Community Waste Disposal and alternative provisions for emergencies to prevent disease outbreak.

Professional Health

1. Inspecting the workplace.
2. Visit and inspection of factory for cleanliness.
3. Identification of hazardous areas and security arrangements.
4. Health and cleanliness survey of business/industrial areas – Causes, Effects, and Prevention of Environmental pollution.