

Government of India  
**Family Welfare Training & Research Centre Mumbai**

Sanitary Health Inspector, (Second Semester Examination)  
Batch I (2017-18)

**Paper V**

**Section A: Disposal & Management of Waste (Solid and Liquid),  
Section B: Infection prevention control, Bio medical Waste Management**

**Total Marks: 60**

**SECTION I (40 Marks)**

**Q 1. Multiple choice questions. (All questions are compulsory, Tick the correct option) (12)**

- I. Name the government rules for solid waste management followed today by MCGM.
- a) Municipal Solid Waste Rules 2000
  - b) Municipal Solid Waste Rules 2016
  - c) Solid Waste Rules 2000
  - d) Solid Waste Rules 2016
- II. The average composition of Municipal Solid Waste is:
- a) 41% Organic, 40 % inert and 19% recyclable .
  - b) 20% Organic, 60 % inert and 20% recyclable.
  - c) 30% Organic, 20 % inert and 50% recyclable
  - d) 19% Organic, 41 % inert and 40% recyclable
- III. Modes of disposal of dead bodies.
- a) Burning cremation
  - b) Electrical cremation
  - c) Burial
  - d) All of above
- IV. What is e-waste?
- a) Obsolete electronical waste
  - b) Waste from nuclear power generation.
  - c) Eco friendly waste.
  - d) Hazardous chemical waste
- V. Name the gas produced in open dumps from decomposition of bio-degradable waste.
- a) Ethane
  - b) Methane
  - c) Propene
  - d) Ethene
- VI. Yellow bag is used for all except,
- a) Chemical waste
  - b) Animal anatomical waste
  - c) Expired medicine
  - d) Glassware

**Q 2. Answer in one sentence (Answer Any 5)**

**(10)**

- A. Define infection control?
- B. What is patient safety?
- C. List the main source of infection in hospital set up?
- D. Define waste minimization?
- E. Name three different types of latrine?
- F. Two methods of sewage disposal?
- G. Write the four ways to prevent nosocomial infection.

**Q 3. Write TWO Difference (Answer Any 3)**

**(6)**

- A. Septic tank latrine and RCA latrine
- B. Composting and vermin-composting
- C. Burning cremation and Electrical Cremation
- D. Sterilization and disinfection
- E. Biogas plant and gober gas plant

**Q 4. Write Short notes on following (Answer Any 3)**

**(12)**

- A. Importance of Personnel Protective Equipments?
- B. Various treatment methods for solid waste at city level?
- C. Explain the Importance of Reduce, Reuse, Recycle and Regenerate?
- D. Discuss the health hazards due to improper disposal of liquid waste?
- E. Effective Hand Washing Techniques.

**SECTION II (20 Marks)**

**Q 5. Discuss the following. (Answer Any 4)**

**(20)**

- A. Role of Sanitary inspector in solid waste management department of Municipal Corporation.
- B. Importance of Citizens participation in waste management.
- C. Draw and label the various compartments of septic tank and state its function.
- D. Waste minimization techniques.
- E. Components of effective infection control program.
- F. List the essential Requirements at cremation (burning) ground.