

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. Red bag is used for,
- a) Chemical waste
 - b) Anatomical waste
 - c) Expired medicine
 - d) Recyclable containminated waste

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

(10)

- A. Define infection control?
- B. At what distance must be a toilet located from an ideal well?
- 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. Which type of latrine are provided in fairs, festivals and in camps.

Q 3. Write TWO Difference (Answer Any 3)

(6)

- A. Single pit and Double pit 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. Physical agents for disinfection?
- 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. Write the steps involved in BMW management.
- C. Draw and label the various compartments of septic tank and state its function.
- D. Describe the benefits of waste minimization.
- E. Components of effective infection control program.
- F. List the essential Requirements at cremation (burning) ground.