

Government of India
National Institute of Public Health Training & Research, Mumbai.
Sanitary Health Inspector, (AY- Batch 24-25)
(Second Semester Final-Examination)

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

Time :- 2pm to 4pm

Total Marks: 60

SECTION A (35 Marks)

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

(10 Marks)

1. When MSW-Rules have been modified.
 - A. 1998
 - B. 2000
 - C. 2016
 - D. 2018
2. What is Black water
 - A. Sullage
 - B. Storm water
 - C. Sewage
 - D. Industrial effluent
3. What is disposal method for garden waste, leaf's, vegetable left over and food items?
 - A. Dumping in open
 - B. Compositing
 - C. Burning
 - D. Recycling
4. What type of process leads to methane production in landfills?
 - A. Aerobic decomposition
 - B. Anaerobic decomposition
 - C. Photosynthesis
 - D. Combustion
5. What type of waste is disposed of in red bags in biomedical waste management?
 - A. General household waste
 - B. Recyclable plastics
 - C. Biohazardous waste contaminated with blood or bodily fluids
 - D. Radioactive materials
6. What type of latrine is used in festivals?
 - A. Bore hole
 - B. Septic tank
 - C. Aqua privy
 - D. Trench latrine
7. Which one of the following is water borne disease?
 - A. Pneumonia
 - B. Diabetes
 - C. Jaundice
 - D. HIV/AIDS
8. According to the Biomedical Waste Management Rules, 2016, which colour bag is used for disposing of items like syringes without needles, soiled gloves, and IV tubes?
 - A. Yellow
 - B. Red
 - C. Blue
 - D. White

9. Distance between two Sewer Manholes.
 - A. 10 metre
 - B. 20 metre
 - C. 30 metre
 - D. 40 metre
10. What is the colour code for storing anatomical waste as per BMW Rules-2016.
 - A. Green
 - B. Red
 - C. Yellow
 - D. Blue

Q 3. Write three Difference (Answer Any 3)

(9 Marks)

- A. MSW 2000 Rules and MSW 2016 Rules
- B. Sterilization and Disinfection
- C. Borehole latrine and dug well latrine
- D. Landfilling and Composting
- E. MSW 2000 Rules and MSW 2016 Rules

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

(16 Marks)

- A. Septic Tank
- B. Activated Sludge Process
- C. Sludge Digester
- D. Vermi Composting
- E. 5.Steps involved in the management of biomedical waste?
- F. Importance of Personnel Protective Equipment?

SECTION B

(25 Marks)

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

(10 Marks)

- A. Define infection control?
- B. what are the types of sewage disposal?
- C. Hospital acquired infection
- D. Duties of State Pollution Control Board.
- E. '4' R. Concept in municipal solid waste management
- F. 3-C method of land filing of municipal solid waste.
- G. Effects on health due to improper disposal of domestic sewage.

Q 5. Discuss the following. (Answer Any 3)

(15 Marks)

- A. Role of Sanitary inspector in solid waste management in rural area.
- B. What are the guidelines for the storage and transportation of biomedical waste?
- C. What are the key strategies employed in waste minimization?
- D. Discuss BMW Rules 1998 and BMW Rules 2016.
- E. Effective infection control program.

*******THE END*******