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Name.....

Reg. No.....

**FOURTH SEMESTER B.VOC. (PROGRAMME) DEGREE EXAMINATION  
APRIL 2025**

Common Course

A14—PUBLIC HEALTH, SANITATION AND SAFETY

(2021 Syllabus)

Time : Two Hours and a Half

Maximum : 80 Marks

**Section A (Short Answer Type)***All questions can be answered.**Each question carries 2 marks.**(Ceiling 25 marks)*

1. What are the types of food poisoning ?
2. Define positive health.
3. Mode of transmission of tuberculosis.
4. What is PQLI and HDI ?
5. List out the unit operations in primary treatment of sewage.
6. What is the difference between food infection and food intoxication ?
7. Define breakpoint chlorination.
8. Explain the principles of safe food handling and hygiene.
9. Solid waste, if allowed to accumulate, is a health hazard. Why ?
10. Importance of personnel hygiene in food safety.
11. How does fermentation prevent microbial growth ?
12. Define occupational disease.
13. How does refrigeration aid in preventing foodborne diseases ?
14. Describe the role of personal protective equipment (PPE) in ensuring safety at work place ?
15. Describe mental health.

**Turn over**

**Section B (Paragraph/Problem Type)**

*All questions can be answered.*

*Each question carries 5 marks.*

*(Ceiling 35 marks)*

16. Give an account of the health situation in India.
17. Enlist the Health problems in India and explain in detail the nutritional problem.
18. Define Sanitation. Explain the factors affecting microbial proliferation.
19. Explain the objectives of Indian Public Health Standards (IPHS) for Primary Health centers (PHCs)
20. Short note on Botulism.
21. Explain the properties of Noise and ways to control it.
22. Short note on sources of water supply.
23. Explain controlled tipping or sanitary landfill method of refuse disposal.

**Section C (Essay Type)**

*Answer any **two** of the following questions.*

*Each question carries 10 marks.*

24. Describe the process of water purification on small scale.
25. Explain the types of disinfection and properties of an ideal disinfectant.
26. Brief detail on modern sewage treatment.
27. Explain in detail the possible occupational hazards a worker may encounter.

(2 × 10 = 20 marks)