

**D 141070****(Pages : 2)****Name.....****Reg. No.....****FOURTH SEMESTER B.VOC. DEGREE EXAMINATION, APRIL 2026**

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.*

1. Define community health.
2. What is meant by Quality of Life Index ?
3. Name any one water-borne disease.
4. Mention one air-borne disease.
5. What is Primary health Care ?
6. Define sanitation.
7. Name one factor affecting microbial growth.
8. What is primary treatment of sewage ?
9. Identify the hazard category of excessive workplace noise.
10. Mention one method of killing microorganisms.
11. What is personnel hygiene ?
12. Define exotoxin.
13. Name one organism causing food poisoning.
14. What is Personal Protective Equipment (PPE) ?
15. Define first aid.

(Ceiling 25 marks)

**Turn over**

**Section B (Paragraph Problem Type)**

*All questions can be answered.*

*Each question carries 5 marks.*

16. Explain the dimensions of health (physical, mental and social) and discuss how Quality of Life Index reflects the health status of a population.
17. Describe the major national health programmes in operation in India for the control of tuberculosis and poliomyelitis, highlighting their key control measures.
18. Discuss the methods of disease transmission with suitable examples of water-borne and air-borne diseases.
19. Explain the stages involved in sewage treatment, including pre-treatment, primary, secondary and tertiary treatment with disinfection.
20. Write short notes on disaster preparedness.
21. Discuss sources of food contamination and explain the general principles of hygiene to prevent contamination during food preparation and handling.
22. Differentiate between food infection and food intoxication. Explain the symptoms and preventive measures of any one food-borne disease (Botulism / Salmonella / E.coli / Staphylococcus).
23. Discuss the role of Primary Health Centres in rural health.

(Ceiling 35 marks)

**Section C (Essay Type)**

*Answer any two of the following questions.*

*Each question carries 10 marks.*

24. Discuss water supply systems and methods of purification.
25. Describe the present health situation in India and the role of Primary Health Care and PHCs in improving public health.
26. Describe environmental pollution and its impact on health.
27. Describe food borne infections and intoxications with suitable examples.

(2 × 10 = 20 marks)