# CONTENTS

## Section 1: Basics of Public Health


1. **Elementary Concept of Applied Anatomy and Physiology ..... 3**
2. **Sociological Concept of Health and Disease ..... 17**
3. **Behavioural Science and its Importance ..... 24**
4. **Concept of Community Health ..... 26**
5. **Elementary and Vital Statistics ..... 30**
6. **Elements of Medical Microbiology and Parasitology ..... 39**
7. **Nutrition ..... 52**
8. **Environmental Health ..... 66**
9. **Personal Hygiene ..... 96**
10. **Basic Epidemiology ..... 99**
11. **Dynamics of Disease Transmission ..... 102**
12. **Concept of Disease Prevention and Control ..... 107**
13. **Medical Entomology ..... 110**
14. **Concept of Primary Health Care ..... 122**


## Section 2: Application of Public Health


15. **Communicable Diseases, Noncommunicable Diseases and National Health Programmes ..... 127**
16. **Investigation of an Epidemic ..... 164**
17. **Maternal Health, Child Health and Family Welfare ..... 167**
18. **Health Education and Communication ..... 189**
19. **First Aid ..... 199**
20. **Public Health Administration ..... 212**
21. **School Health ..... 222**
22. **Essential Drugs and Treatment of Minor Ailments ..... 227**
23. **Basic Legal Medicine ..... 235**

***Appendices* ..... 241**

I. *Recommended Teaching Hours ..... 243*

II. *Scheme of Examination for Health Inspector's Course ..... 244*

III. *Paramedical Board Ordinance* ..... *247*
IV. *Health Inspector's Course* ..... *248*
V. *Syllabus for the First Year of Certificate Course in Paramedical Subjects for SSLC Passed Candidates (Condensed Course of I and II PUC)* ..... *257*
VI. *Inspection and Preparation of Fair and Festival* ..... *269*
VII. *Inspection of Factory* ..... *270*
VIII. *PFA Act* ..... *271*
IX. *Proforma for the Food Catering Establishment* ..... *273*
X. *Malaria Smear Staining* ..... *276*
XI. *Method of Giving Injection* ..... *281*
XII. *Camp Organisation (OTC Camp)* ..... *285*
XIII. *Minimum Information of a Village Record* ..... *287*
XIV. *Drug List with Health Inspector for Minor Illness Treatment* ..... *289*
XV. *Job Responsibilities of Health Assistant (Male)* ..... *291*
XVI. *Sanitary Survey of Village/Town* ..... *293*
XVII. *The Municipality Act 1964 (Specific Sections Relevant to Health Inspectors)* ..... *294*
XVIII. *Drugs to be known by Health Inspector in his Daily Routines from Other Systems of Medicine* ..... *296*
XIX. *Universal Precaution against HIV/AIDS* ..... *298*
XX. *Hospital Waste Management* ..... *299*
XXI. *Health Care Establishments Covered under Biomedical Waste (BMW) Rules 1998* ..... *300*
XXII. *Procedure of Killing the Stray Dogs* ..... *301*
XXIII. *Emergency Measures in Public Health* ..... *302*
XXIV. *Time Table for First Year HIT Course* ..... *303*
XXV. *Theory Coverage for First Year HIT Course* ..... *304*
XXVI. *Practical Coverage for First Year HIT Course* ..... *305*
XXVII. *Time Table for Second Year HIT Course* ..... *306*
XXVIII. *Theory Coverage for Second Year HIT Course* ..... *307*
XXIX. *Practical Coverage for Second Year HIT Course* ..... *308*

*Index* ..... *309*