Instructions: (1) All Questions are compulsory.

(2) Answer each next main Question on a new page.

(3) Illustrate your answers with neat sketches wherever necessary.

(4) Figures to the right indicate full marks.

1. Answer any EIGHT of the following: 16

(a) Define the terms:
   (i) Balanced diet
   (ii) Medical entomology

(b) Name a deficiency disease of following nutrients:
   (i) Vit. D
   (ii) Vit. B₁
   (iii) Iodine
   (iv) Protein

(c) Define the terms:
   (i) Nutrition
   (ii) Disinfection

(d) Give long forms of following abbreviations:
   (i) BCG
   (ii) MMR
   (iii) TT
   (iv) WHO
(e) Give two examples each of the following:

(i) Physical methods of contraception
(ii) Acid fast bacterias

(f) What do you know about

(i) Concurrent disinfection
(ii) Terminal disinfection

(g) Define the terms:

(i) Diabetes mellitus
(ii) Microbiology

(h) Name different sources of water.

(i) Enumerate various indicators of health.

(j) Write causes of Air pollution.

(k) Write mode of transmission of:

(i) Rabies
(ii) Tetanus

(l) Classify Immunising agents.

2. Answer any FOUR of following:

(a) Write sources, functions, deficiency diseases of Vit. A.

(b) Define the term Demography. Explain demographic cycle.

(c) Enumerate determinants of health. Explain any one.

(d) Define nosocomial infections. Write prevention and control of nosocomial infections.

(e) Write First Aid for shock.

(f) Write importance and procedure of ‘Gram Staining’.
3. **Answer any FOUR of following:**  
   (a) Define blindness. Write causes, prevention and control of blindness.  
   (b) Enlist different methods of isolation of bacteria. Explain any one.  
   (c) Write about hormonal contraceptives.  
   (d) Describe various methods of small scale purification of water.  
   (e) Write First Aid treatment for snake bite.  
   (f) Discuss in detail Noise Pollution.

4. **Answer any FOUR of following:**  
   (a) Define hypertension. Write causes, prevention and control of hypertension.  
   (b) Explain natural history of disease and its phases.  
   (c) Name various methods of solid waste disposal. Explain any one.  
   (d) Describe structure of virus with the help of a labelled diagram.  
   (e) Give disinfection procedure for  
      (i) Faeces & urine  
      (ii) Sputum  
   (f) Explain Back Pressure Arm lift method.

5. **Answer any FOUR of following:**  
   Write causative agent, symptoms, prevention and control of  
   (a) Tuberculosis  
   (b) Poliomyelitis  
   (c) Hepatitis  
   (d) Malaria  
   (e) Trachoma  
   (f) AIDS

P.T.O.
6. Answer any FOUR of following:

(a) Define Fertility. Write about various factors which affect fertility.

(b) Explain the terms:

(i) Physical Health
(ii) Social Health

(c) Define cancer. Write causes, prevention and control of cancer.

(d) Define immunisation. Write about National Immunisation schedule.

(e) Write functions and deficiency disease of:

(i) Iron
(ii) Calcium

(f) Define fracture. Name types of fracture and First Aid Treatment for fracture.