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.
(5) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

Marks

1. Solve any EIGHT of the following: 16

(a) Define the terms:
   (i) Physical health
   (ii) Mental health

(b) Name the disease caused by: (any two)
   (i) \textit{Salmonella typhi}
   (ii) \textit{Wuchereria bancrofti}
   (iii) Lyssa virus type-I

(c) Write object of first aid.

(d) Give the long forms of the following abbreviation:
   (i) HIV
   (ii) CHD
   (iii) STD
   (iv) UTI
(e) Write the role of ‘Pharmacist in promoting family planning’?

(f) Define Kwashiorkor disease. Give its symptoms.

(g) Define Zoonotic disease. Classify them.

(h) Name the disease caused due to deficiency of:
   (i) Vitamin A
   (ii) Vitamin B
   (iii) Vitamin C
   (iv) Vitamin B₁₂

(i) What is composition of Oral Rehydration Salt (ORS)?

(j) Draw a well labelled diagram of Bacterial Cell.

(k) Write immunization schedule for children.

(l) Differentiate between communicable & non-communicable diseases.

2. Solve any FOUR of the following: 12

   (a) Discuss methods of solid-waste disposal.
   (b) Write sources, functions & deficiency diseases of Vitamin A.
   (c) Define demography. Explain stages of demographic cycle.
   (d) Write symptoms & first aid treatment for shock.
   (e) Enlist various determinants of health & discuss any one.
   (f) Write importance & procedure of ‘Gram staining’.

3. Solve any FOUR of the following: 12

   (a) Discuss in detail Noise Pollution.
   (b) Define blindness. Write causes, prevention & control of blindness.
   (c) Write sources of air pollution. Write its effect on health.
(d) Write about hormonal contraceptives.

(e) Define medical entomology. Discuss in detail about insect control.

(f) Write about types, prevention & control of diabetes mellitus.

4. **Solve any FOUR of the following :**

   (a) Define the term fertility. Explain various factors affecting fertility.

   (b) Classify food. Write functions of carbohydrates & proteins.

   (c) Define the term ‘Immunization’. Write the immunization schedule.

   (d) Classify contraceptive methods with examples.

   (e) Discuss Cardi-pulmonary Resuscitation (CPR).

   (f) Define Immunity. Classify it.

5. **Solve any FOUR of the following :**

   (a) Describe various methods of small scale purification of water.

   (b) Write disinfection procedure for

       (i) Room

       (ii) Sputum

   (c) Write functions & deficiency diseases of :

       (i) Calcium

       (ii) Iron

   (d) What are hospital acquired infections? Write prevention & control of “Noscomial infecton”.

   (e) Name type of fracture & first aid treatment for fracture.

   (f) Give advantages & disadvantages of condoms.
6. Write causative agent, mode of transmission, symptoms & control of any **FOUR** of the following:

(a) Tuberculosis
(b) AIDS
(c) Cholera
(d) Leprosy
(e) Plague
(f) Trachoma