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. Assume suitable data, if necessary.
6. Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

1. Answer any EIGHT of the following: 16

(a) Define Health.

(b) Name the deficiency disease caused by following nutrient:
   (i) Vit. C
   (ii) Iron
   (iii) Vit. B₁₂
   (iv) Calcium

(c) Write one advantage and one disadvantage of terminal method of family planning.

(d) Write scope of first aid.

(e) Write causes of air pollution.
(f) Define Microbiology.

(g) Give the long forms of following abbreviations:
   (i) AIDS
   (ii) BMI
   (iii) DT
   (iv) OPV

(h) Define Stroke.

(i) Differentiate between Natural immunity and Artificial immunity.

(j) Classify Protozoa.

(k) Draw well labelled diagram of virus.

(l) Name any one disease transmitted by following:
   (i) Mosquito
   (ii) Rat

2. Answer any FOUR of the following:  
   4 × 3 = 12

   (a) Explain levels of prevention of disease.

   (b) Write source, functions and deficiency diseases of Iodine.

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

   (d) What are burns? Write symptoms and first aid for burns.

   (e) Name any two water borne diseases. Write about slow sand filter.

   (f) Classify bacteria according to their shape.
3. **Answer any FOUR of the following** : $4 \times 3 = 12$

   (a) Give causes, prevention and control of blindness.

   (b) Define Nosocomial infection. Write prevention and control of Nosocomial infection.

   (c) What is a disease agent? Classify them with examples.

   (d) Give source and functions of Vit.-D.

   (e) What are Intrauterine devices? Classify them.

   (f) Write a note on Cold Chain Storage of Vaccines.

4. **Answer any FOUR of the following** : $4 \times 3 = 12$

   (a) Define Noise. What are ill effects of noise pollution?

   (b) Write note on gram staining method.

   (c) Write about types and risk factors of Diabetes Mellitus.

   (d) Give disinfection procedure for following:

      (i) Sputum

      (ii) Room

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

   (f) Name nutrient causing following diseases:

      (i) Colour blindness

      (ii) Blood Clotting disorder

      (iii) Wilson’s disease

P.T.O.
5. Answer any FOUR of the following:  

(a) Give advantages and disadvantages of condom.

(b) What is Angina pectoris? What are the risk factors for it?

(c) What are health hazards due to improper solid waste disposal? Define sewage.

(d) Write note on fungal infection.

(e) Write symptoms and prevention of Hypertension.

(f) Write note on National Immunization Schedule.

6. Write Causative agent, mode of transmission and symptoms of following: (Any FOUR)  

(a) Leprosy

(b) Hepatitis-A

(c) Rabies

(d) Filariasis

(e) Hookworm infection

(f) Chickenpox