12223

3 Hours / 80 Marks

Seat No. ☐☐☐☐☐☐☐☐

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. Answer any EIGHT of the following : **8 × 2 = 16**

(a) Define the terms :

(i) First aid **1**

(ii) Microbiology **1**

(b) Name the disease due to following causative agent :

(i) Varicella Zoster **1**

(ii) Yersinia Pestis **1**

(c) Name the disease occurring due to deficiency of followings :

(i) Folic acid **1**

(ii) Vitamin K **1**

(d) Give any two comparisons between Gram + ve and Gram –ve bacteria.

(e) Give long forms of the followings :

    (i)   RTI   **1**

    (ii)   UTI   **1**

(f) What do you mean by Isolation of Patients ?

(g) Define the terms :

    (i)   Epidemiology   **1**

    (ii)   Family planning   **1**

(h) What do you mean by Pandemic disease ? Mention any two examples of it.

(i) Enlist different types of Fracture.

(j) What is CPR ? Enlist the different methods of artificial respiration techniques.

(k) Discuss disinfection procedure for Linen.

(l) Define "Incubation Period".

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

(a) Define and classify 'Disease Agents'.

(b) Give an account on different staining techniques of Micro-organism.

(c) What is Fertility ? What are the factors on which fertility depends ?

(d) What first aid should be given to a snake bite case ?

(e) Mention the sources of water supply & describe any one method for purification of water.

(f) Explain "Natural history of diseases".

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

   (a)   Define "Demography". State the different stages of population growth.

   (b)   What are different methods of contraception ? Classify them with examples.

   (c)   Define "Health". State & explain aspects of Health.

   (d)   What is Cancer ? What are it's causes ?

   (e)   Explain the role of Vit. C and Vit. D in the human body.

   (f)   Give causes, prevention & control of Diabetes.

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

   (a)   Define "Immunity". Discuss its type.

   (b)   What do you mean by "Nosocomial Infection" ? How it can be prevented ?

   (c)   What is "Balanced Diet" ? Give its composition.

   (d)   What is Noise ? Give effects of it on human beings & its control measures.

   (e)   Explain "Kwashiorkor" & "Marasmus".

   (f)   What is Hypertension ? Give causes, prevention & treatment of hypertension.

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

   (a)   Give recommended disinfection procedure for faeces & urine.

   (b)   Classify Vitamins. Write sources of Vit. A & Vit. E.

   (c)   Name the indicators used for assessment of Health. Explain any one indicator.

   (d)   Draw a neat and well-labelled diagram of bacterial cell and explain its composition.

   (e)   Describe "National Immunisation Schedule".

   (f)   What is AIDS ? Explain in brief.

6. Write causative agent, mode of transmission, symptoms & control of the following :

  (Any Four) $4 \times 4 = 16$

    (a)   Tuberculosis

    (b)   Malaria

    (c)   Leprosy

    (d)   Tetanus

    (e)   Cholera

    (f)   Measles

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