

22223

3 Hours / 80 Marks



0810

Seat No.

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- 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. Attempt any EIGHT of the following:

16

- a) What is Natural History of Diseases.
- b) What do the following acronyms stand for –
 - i) WHO
 - ii) BCG
 - iii) MMR
 - iv) CPR
- c) Define the following terms –
 - i) Microbiology; and
 - ii) Health
- d) Name any two diseases transmitted by rodents.
- e) Draw a well-labelled diagram of 'septic tank'.
- f) Name four different vaccines.
- g) Describe any one type of immunity.
- h) Define the following terms –
 - i) Fracture; and
 - ii) Burn and Scald
- i) What is hypertension?
- j) State need of staining microorganisms.
- k) Enlist any four factors affecting fertility.
- l) Name one each of the following –
 - i) Arthropod borne infection
 - ii) Surface infection
 - iii) Sexually transmitted infection
 - iv) Respiratory tract infection

2. Attempt any FOUR of the following:

12

- a) Name various dimensions of 'Health'. Elaborate any one in detail.
- b) What is disease agent? Classify them with examples.
- c) Describe different modes of intervention.
- d) Name a vitamin given in the treatment of the following deficiency disease –
 - i) Rickettes;
 - ii) Beri-beri;
 - iii) Scurvy;
 - iv) Pellagra;
 - v) Keratomalacia
 - vi) Osteomalacia
- e) Classify minerals with examples. Explain the role of Iodine.
- f) What is balanced diet? Give its advantages.



3. **Attempt any FOUR of the following:** 12
- Explain physical barrier methods of contraception.
 - Name various behavioral methods of contraception.
 - Describe 'Vasectomy' method.
 - What is 'First Aid Box'? Enlist articles present in first aid box.
 - What is CPR? Explain chest cardiac massage under CPR.
 - What are the general signs and symptoms of fracture? Describe in general management of fracture.
4. **Attempt any FOUR of the following:** 12
- Describe anatomy of bacteria with a well-labelled diagram.
 - Describe procedure and give the importance of Gram's staining method.
 - What is meant by 'Isolation of Pure Culture'? Enlist different methods used for isolation of bacteria.
 - Give details of 'Rapid Sand Filtration' for purification of water.
 - What is air pollution? Discuss its prevention and control.
 - What is excreta? Name different methods of excreta disposal.
5. **Attempt any FOUR of the following:** 12
- Give the mode of transmission of –

i) Chicken pox	ii) Diphtheria
iii) Poliomyelitis	iv) Typhoid
v) Plague	vi) Leprosy
 - Name the causative agent of the following –

i) Influenza	ii) Whooping cough
iii) Cholera	iv) Filariasis
v) Rabies	vi) Gonorrhoea
 - What is 'AIDS'? Explain its prevention.
 - Define –

i) Food Poisoning	ii) Blindness; and
iii) Non-communicable diseases	
 - What are the measures used in prevention and control of cancer?
 - Describe the prevention and control of diabetes mellitus.
6. **Attempt any FOUR of the following:** 16
- Define the following terms –

i) Cold chain;	ii) Epidemic;
iii) Quarantine; and	iv) Vaccine
 - Define the term Immunisation. Write 'National Immunisation Schedule'.
 - Explain in short elements of minor surgery and dressings.
 - What is disinfection? Describe in brief methods of disinfection.
 - Classify bacteria depending on their shape.
 - Draw a well-labelled diagram of Sewage Treatment Plant.
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