

0810

15116

3 Hours / 80 Marks

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. Answer any EIGHT of the following :

16

- (a) Define the terms :
 - (i) Disease
 - (ii) Spiritual health
- (b) Name the vitamin causing following deficiency disease :
 - (i) Rickets
 - (ii) Night Blindness
 - (iii) Pellagra
 - (iv) Beri-beri
- (c) Write two advantages and two disadvantages of vasectomy for family planning.
- (d) Explain “Kiss of life” for artificial respiration.
- (e) Name two arthropod borne diseases and two air borne diseases.
- (f) Classify micro-organisms.
- (g) Write mode of transmission for Tuberculosis.
- (h) How hypertension can be prevented and controlled ?

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0810

[2]

- (i) What do the following acronyms stand for ?
- (i) TT
 - (ii) BCG
 - (iii) DPT
 - (iv) AIDS
- (j) Give two advantages and two disadvantages of Intrauterine devices.
- (k) Name one disease each caused due to deficiency of following :
- (i) Calcium
 - (ii) Iodine
 - (iii) Iron
 - (iv) Folic acid
- (l) Classify bacteria depending upon their shape.

2. Answer any FOUR of the following :

12

- (a) List the various determinants of health and explain any one.
- (b) Define the terms :
- (i) Physical health
 - (ii) Mental health
 - (iii) Social health
- (c) Write the composition of Balanced diet.
- (d) Classify vitamins and write sources, deficiency symptoms of Riboflavin (Vit. B₂)
- (e) Write “Rule of Nines” for estimation of percentage of burns. Write emergency treatment for burns.
- (f) Name types of Fractures and write first aid treatment for Fracture.

3. Answer any FOUR of the following : 12

- (a) Name the methods for solid waste disposal and explain any one.
- (b) State the major ill effects of noise and dim light.
- (c) Define water pollution. How water pollution can be prevented and controlled ?
- (d) Give the method and importance of GRAM staining.
- (e) With the help of neat labelled diagram, describe the structure of Bacteria.
- (f) Give disinfection procedure for :
 - (i) Dead bodies
 - (ii) Linen
 - (iii) Urine

4. Answer any FOUR of the following : 12

- (a) What is hypertension ? Give causes and preventive measures of Diabetes Mellitus.
- (b) Discuss the slow sand filter for purification of water.
- (c) What are hospital acquired infections ? Write prevention and control of nosocomial infections.
- (d) Define the terms :
 - (i) Epidemiology
 - (ii) Immunity
 - (iii) Incubation period
- (e) Define Demography and explain population problem in India.
- (f) Define fertility and name the factors affecting fertility.

5. Give the causative agent, mode of transmission and prevention of any FOUR of the following : 12

- (a) Influenza
- (b) Cholera
- (c) Leprosy
- (d) Gonorrhoea
- (e) Whooping cough
- (f) Plague

6. Answer any FOUR of the following :**16**

- (a) What is disease agent ? Classify them.
 - (b) Define First Aid and write First Aid treatment for snake bite.
 - (c) Write the classification of Family Planning methods with examples.
 - (d) Classify food and write functions of Carbohydrates and proteins.
 - (e) Write the types, causative factors and preventive measures of cancer.
 - (f) Define the term "Immunisation". Write "National Immunisation Schedule".
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