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- Instructions* –
- (1) All Questions are *Compulsory*.
  - (2) Answer each next main Question on a new page.
  - (3) Illustrate your answer 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****30****1. Attempt any SIX of the following:**

- a) Define family planning. Write about various types of contraceptive methods.
- b) Define health. Enlist various determinants of health and explain any three with example.
- c) Write symptoms, mode of transmission and treatment of Tuberculosis. Write the name of causative agent for TB.
- d) Write symptoms, causative agent, mode of transmission, prevention of AIDS.
- e) Enlist all ongoing National Health programs in India and explain any two National Health Programme for mother and child.
- f) Explain the following term :-
  - i) Social Pharmacy
  - ii) Pandemic
  - iii) Microbiology
  - iv) Incubation Period
  - v) Mortality
- g) Define epidemiology. Mention different types of epidemiological methods, Write uses of Epidemiology.

**2. Attempt any TEN of the following:****30**

- a) What are FIP Development Goals? Write the full form of FIP.
- b) What is Pharmacoeconomics? Write its importance.
- c) Define Noise. Write about ill effects of Noise pollution on health.
- d) Draw well labeled diagram of bacteria and name its important component.
- e) Write advantages and disadvantages of bottle feeding in infants.
- f) Explain all stages of Demographic cycle.
- g) Define Immunity and differentiate between active and passive immunity.
- h) What is malnutrition? Write ill effects of junk food.
- i) Explain Dynamics of disease transmission with various modes of infection.
- j) Write the clinical presentation and control of Dengue.
- k) Describe role of Pharmacist in prevention and control of Malaria.

**3. Attempt ALL the following:****20**

- a) In which year National Mental health Program was launched in India?
- b) Marasmus disease is due to the deficiency of.....
  - i) Proteins
  - ii) Vitamin E
  - iii) Copper
  - iv) Zinc

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- c) What do you mean by Morbidity?
  - d) Write the Causative agent for small pox.
  - e) HMO stands for....
  - f) Name any two National Health Programs for nutrition.
  - g) Name the disease due to deficiency of Vitamin D.
  - h) \_\_\_\_\_ Immunity is induced by vaccines which are preparation of live or killed microorganism or their products.
    - i) Artificial active immunity
    - ii) Natural active immunity
    - iii) Natural passive immunity
    - iv) Artificial passive immunity.
  - i) Give two examples of Health Indicators.
  - j) Causative agent for Whooping cough is....
  - k) Give two names of water borne disease.
  - l) What do you mean by narcotic substance?
  - m) First National Health Policy in India was launched in the year.
    - i) 1985
    - ii) 1983
    - iii) 1979
    - iv) 1990
  - n) Mention two indications for use of dietary supplements.
  - o) Which of the following is vector borne disease?
    - i) Whooping cough
    - ii) Small pox
    - iii) Amoebiasis
    - iv) Chikun Gunya
  - p) Write any two functions of Vitamin C.
  - q) What do you mean by droplet infection?
  - r) What is the meaning of fortification of food?
  - s) Give two examples of agents used for artificial ripening of fruits.
  - t) What is long form of MDG?
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