

**DIPLOMA IN PHARMACY (FIRST YEAR)**  
**(NEW)**  
**HEALTH EDUCATION AND COMMUNITY**  
**PHARMACY**  
**(106)**

*Time : Three Hours*

*Maximum Marks : 80*

**Note :** (i) Attempt total *six* questions. Question No. 1 is compulsory. From the remaining questions attempt any *five*.

(ii) Illustrate your answers with neat sketches wherever necessary.

1. Solve any *five* of the following : 2 each
- (a) Classify the food according to chemical structure and give their sources in one line.
  - (b) Name major and minor mental disorders.
  - (c) Define communicable disease and non-communicable disease.
  - (d) Give the long form of the following :
    - (i) B. C. G.
    - (ii) D. P. T.
    - (iii) O. R. S.
    - (iv) I. U. D.

**P. T. O.**

- (e) Classify various disease producing micro-organisms.
- (f) Explain contagious disease and give examples.
- (g) Name the disease due to the following causative agents :
  - (i) Varicella zoster
  - (ii) Yersinia pestis

2. Solve any *seven* of the following : 2 each

- (a) Name the disease caused due to deficiency of :
  - (i) Vitamin – A
  - (ii) Vitamin – D
  - (iii) Vitamin – B<sub>1</sub>
  - (iv) Vitamin – C
- (b) Define balanced diet.
- (c) Write down the articles of First Aid Box.
- (d) Write down some water-born diseases due to bacteria, virus.
- (e) How is water purified on small scale ? Name only methods.
- (f) Explain the term Epidemiology and Epidemic.
- (g) Define infection, infestation.
- (h) Name the causative agents of the following diseases :
  - (i) Tuberculosis
  - (ii) Poliomyelitis

3. (a) Draw a well labelled diagram of bacterial cell. 4
- (b) What is hypertension ? Discuss the causative factors. 4
- (c) State and explain the concept of prevention of diseases. 4
- (d) Define immunity and antibodies. 2
4. (a) What do you know about health education ? What are the aims and objects of health education ? 4
- (b) What are Vitamins ? Classify them and give source of each Vitamin. 4
- (c) Name the methods of family planning or birth control. 4
- (d) Name the causative agents of : 2
- (i) Typhoid
- (ii) Rabies
5. (a) What is Angina Pectoris ? Write its first aid. 4
- (b) Write down the note on sources of water. 4
- (c) What are the effects of pollution of air ? Name some air-borne diseases. 4
- (d) Write down different types of bacteria and its shape. 2
6. (a) State various methods of isolation of bacteria. Describe in detail streak plate technique. 4

- (b) Give the causative agent, mode of transmission and prevention of leprosy. 4
- (c) What is Cancer ? How is it controlled ? 4
- (d) Give the causative agents and mode of transmission of : 2
- (i) Filariasis
- (ii) Tetanus
7. (a) What are methods of artificial respiration ? Explain mouth to mouth respiration. 4
- (b) What is sewage ? What are the aims of sewage treatment ? 4
- (c) What is fracture ? Describe general first aid for fracture. 4
- (d) Define Endotoxins and Exotoxins. 2
8. (a) What are hospital acquired infections ? Describe prevention and control of hospital acquired infections. 4
- (b) What is disinfection ? Write in detail about any *two* disinfecting agents. 4
- (c) State different types of Hepatitis, with causative agents. Give the mode of transmission and control of Hepatitis. 4
- (d) Define the following : 2
- (i) Microbiology
- (ii) Zoonotic disease