

MP-603 Seat No. _____
First Year Dip. in Pharm. Examination
May/ June – 2003
Health Education & Comm. Pharmacy

Time : 3 Hours]

[Total Marks : 80

- Instructions :** (1) Tie both sections **separately**.
(2) All questions are **compulsory**.

SECTION - I

- 1** Answer the following : (any **four**) **12**
- (1) Enumerate diseases that spread through arthropods and write about its control measures.
 - (2) How does water get polluted ? Explain purification of water on small scale.
 - (3) Write the functions of carbohydrates and proteins.
 - (4) Explain diagrammatically surgical methods of family planning.
 - (5) Explain risk factors associated with cardiovascular diseases.
- 2** Answer the following : (any **three**) **12**
- (1) Explain the following terms : Carcinoma, Leukaemia, Lymphoma and Sarcoma.
 - (2) Explain the terms :
 - (a) Health
 - (b) Immunity
 - (3) Give the causative organisms for the following diseases : Tuberculosis, Plague, AIDS, Malaria.
 - (4) Give the deficiency diseases caused by : vitamin A, vitamin C, vitamin B₁, vitamin B₁₂.

- 3** Write short notes on : (any **four**) **16**
- (1) Hospital borne infections
 - (2) Concept of prevention of disease
 - (3) Viruses
 - (4) Noise pollution
 - (5) First aid treatment for fractures.

SECTION - II

- 4** Answer the following : (any **four**) **12**
- (1) Explain : "Agent as a factor of disease".
 - (2) Define Epidemiology and give the use of epidemiology. Write a note on measurements of epidemiology.
 - (3) Give the indicators of air pollution. How can air pollution be prevented ?
 - (4) Give the causes and prevention of cancer.
 - (5) Explain determinants of health.
- 5** Answer the following : (any **three**) **12**
- (1) Explain the terms : Life expectancy, Infant mortality rate, Ruent-type indicators and Person type indicators.
 - (2) Discuss similarities and dissimilarities between case study and cohort study.
 - (3) Explain the terms : Chemoprophylaxis, Quarantine, Epidemic, Vaccines.
 - (4) Give functions of the following minerals : Calcium, Phosphorous, Sodium and Potassium.
- 6** Short notes on : (any **four**) **16**
- (1) Air borne disease transmission
 - (2) Physical methods of disinfection
 - (3) First aid treatment of burns
 - (4) Differential staining
 - (5) Major characteristics of microorganisms.