MP–603  
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 B_{12}.

MP–603] 1 [Contd...
3 Write short notes on: (any four)

(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)

(1) Explain: “Agent as a factor of disease”.
(2) Define Epidemiology and give the used 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)

(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)

(1) Air borne disease transmission
(2) Physical methods of disinfection
(3) First aid treatment of burns
(4) Differential staining
(5) Major characteristics of microorganisms.