

GUJARAT TECHNOLOGICAL UNIVERSITY
Diploma Pharmacy First Year Examination May 2010

Subject code: 410006

Subject Name: Health Education & Community Pharmacy

Date: 25 / 05 / 2010

Time: 11.00 am – 02.00 pm

Total Marks: 80

Instructions:

1. Attempt any five questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** Answer the following questions.
- (a) Define or Explain following terms (**Any Six**). **06**
 1] Infection 4] Immunity 7] Fertility
 2] Fomites 5] Mental Health
 3] Vectors 6] Epidemiology
- (b) Write causative organism of following diseases (**Any Five**). **05**
 1] Tuberculosis 4] Tetanus
 2] Typhoid 5] Syphilis
 3] Plague 6] Whooping cough
- (c) Describe control of air-pollution. **05**
- Q.2** Answer the following questions.
- (a) Write clinical features of following (**Any Four**). **08**
 1] Tuberculosis 2] Cholera 3] Small pox 4] Malaria 5] Poliomyelitis
- (b) Define demography and Explain demography cycle. **05**
- (c) Give types of cancer. **03**
- Q.3** Answer following questions (**Any Two**).
- (a) Give classification of contraceptive methods and Describe method of intrauterine contraceptive devices. **08**
- (b) List out major sources of water pollution. Discuss chlorination method of controlling water pollution. **08**
- (c) Classify burns, write first aid treatment of burns. **08**
- Q.4** Answer the following questions.
- (a) Describe determinants of health. **06**
- (b) Enumerate various staining methods for micro-organisms and write a note on gram-staining. **05**
- (c) Classify food with examples. Give the functions of proteins. **05**
- Q.5** Answer the following questions.
- (a) Answer the following (**Any Three**) **06**
 1] Enumerate heart diseases.
 2] Write spread of AIDS.
 3] Write note on oral rehydration therapy.
 4] Write health hazards of noise.
- (b) Write in detail the causes and preventive measures for diabetes. **06**
- (c) Explain about natural history of diseases. **04**
- Q.6** Answer the following questions.
- (a) Discuss about mode of transmission and preventive measures of Tuberculosis. **06**

(b) Write functions of following **(Any Three)**. **06**

- 1] Vitamin-A 3] Calcium
- 2] Vitamin-C 4] Potassium

(c) Write a note on analytical methods of epidemiology. **04**

Q.7

Answer the following questions.

(a) Answer the following questions **(Any Two)**. **06**

- 1] Write differences between Active immunity and Passive immunity.
- 2] Describe life cycle of malarial parasites or mosquito control.
- 3] Describe factors for prevention and control of infection.

(b) Discuss mode of transmission and preventive measures of cholera. **05**

(c) Write a note on various methods for disposal and control of solid waste. **05**
