

**Final Year (New) Pharmacy**  
**HOSPITAL AND CLINICAL PHARMACY**  
**(204)**

**Time : Three Hours**

**Maximum Marks : 80**

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

1. Attempt any five :

5×2=10

- a) Give the full form of the following:
  - i) PTC
  - ii) DIC
- b) Define
  - i) Teratogenicity
  - ii) Drug dependence
- c) Write two functions of PTC.
- d) Give the use of the following :
  - i) Tissue forcep
  - ii) Artery forcep
- e) Give one example of drug-drug interaction.
- f) Define
  - i) Adverse drug reaction
  - ii) Side effect

2. a) Define Hospital and Hospital Pharmacy. Discuss the responsibilities of Hospital pharmacist in inpatient area.
- b) Write the composition and objective of PTC. Discuss the role of PTC in drug safety.

2×7=14

3. a) Enlist different drug distribution system. Discuss the advantages and disadvantages of unit dose dispensing system.  
b) Write short note on  
i) Hospital formulary system  
ii) Organisation of Hospital

2×7=14

4. a) Discuss the facilities for manufacturing sterile product.  
b) Explain the different sources of drug information. Write in brief about tertiary sources of information.

2×7=14

5. a) Discuss the application of computers in Hospital Pharmacy.  
b) Describe with example pharmacokinetic drug interaction.

2×7=14

6. a) Discuss pathophysiology and symptoms of following diseases (any two)

- i) Tuberculosis  
ii) Hypertension  
iii) Diabetes mellitus

- b) Discuss the scope of clinical pharmacy. Discuss briefly the role of clinical pharmacy in safe use of medications.

2×7=14

7. a) Give the general procedure for treatment of Poisoning.  
b) Discuss the factor affecting the bioavailability of drugs.

2×7=14

8. Write short notes on any four:

4×3½=14

- a) Abnormal constituents of Urine  
b) Drug dependence  
c) Habituation  
d) Organophosphorus Poisoning  
e) Central Sterile Services

