

**HOSPITAL AND CLINICAL PHARMACY***Time Allowed: 3 Hours**Full Marks: 80*Answer any five questions.

1. Define any eight of the followings: 8x2
  - a) Drug information bulletin
  - b) Patient counselling
  - c) PTC
  - d) Sterilization
  - e) Antidotes
  - f) Clinical Pharmacy
  - g) Satellite pharmacy
  - h) Bioavailability
  - i) Thrombocytopenia
  - j) Drug abuse
  
2. a) Discuss the pathophysiology and symptoms of any two of the followings:
  - i) Rheumatoid arthritis
  - ii) Hepatitis
  - iii) Hypertension
 b) How will treat a case of Arsenic Poisoning? (2x6)+4
  
3. a) Define Hospital pharmacy? Write in short location and layout of Hospital pharmacy service.
 b) Write a brief note on "Non-charge floor stock drugs". 2+8+6
  
4. Write short notes on any two of the followings: 2x8
  - a) Drug information service
  - b) Surgical Instruments
  - c) Teratogenicity
  
5. a) What do you mean by Patient compliance. Explain the various factors associated with non-compliance.
 b) What is Hospital Formulary? What are the advantages of such Formulary? 2+6+4+4
  
6. Define the term "Drug-Drug interaction". Mention the mechanism and clinical significance of the following drug combination (any four). 2+(4x3½)
 (a) Phenyl butazone-Tolbutamide, (b) Barbiturate-Digitoxin, (c) Antacid-Tetracycline, (d) Streptomycin Ethacrynic Acid, (e) Aspirin-Heparin
  
7. Give the clinical significance of any four of the followings: 4x4
  - a) Blood pressure
  - b) SGPT
  - c) E.S.R
  - d) Blood Urea
  - e) WBC Count
  
8. Discuss briefly any two of the followings: 2x8
  - i) Medication history
  - ii) Factors affecting Bioavailability of drugs
  - iii) Drug dependence
  - iv) Layout of a sterile product area