



# 816

11819

**3 Hours / 80 Marks**

Seat No.

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- Instructions :**
- (1) *All questions are **compulsory**.*
  - (2) *Answer **each** next main question on a **new** page.*
  - (3) *Illustrate your answers with **neat** sketches **wherever** necessary.*
  - (4) *Figures to the **right** indicate **full** marks.*
  - (5) *Mobile Phone, Pager and any other Electronic Communication devices are **not permissible** in Examination Hall.*

**Marks**

**1. Solve any eight of the following :**

**(2×8=16)**

- a) Define following :
  - i) Hospital Pharmacy.
  - ii) Bioequivalence
- b) What is unit dose dispensing ? Give any two benefits of unit dose dispensing.
- c) Give administrative pattern of central sterile service.
- d) Classify adverse drug reaction.
- e) What do you mean by (**any two**) :
  - i) Sialagogue
  - ii) Carminatives
  - iii) Mydriatics.
- f) Translate into English (**any four**) :
  - i) Folium
  - ii) Octarius
  - iii) Bini
  - iv) Bis
  - v) Semis.
- g)
  - i) What is reorder point ?
  - ii) What is outpatient ?

**P.T.O.**



- h) Explain (**any two**) :
- i) Ryle's tube
  - ii) Anaphylaxis
  - iii) Idiosyncrasy.
- i) Give any four functions of PTC.
- j) Give normal values of following (**any two**) :
- i) Cholesterol
  - ii) Sperm count
  - iii) Blood sugar.
- k) What advice must be given to the patient while using (**any two**) :
- i) Tetracyclines
  - ii) Boric acid
  - iii) MAO Inhibitors.
- l) Write about the requirements of pharmacist in the hospital.
2. Solve **any four** of the following : (4×3=12)
- a) Define hospital. Classify hospital on the basis of ownership and control.
  - b) Write a short note on :
    - (a) DIB (Drug Information Bulletin)
    - (b) Angina Pectoris.
  - c) Write in brief about bed side pharmacy.
  - d) Explain with examples food-drug interaction.
  - e) Explain how purchase order is prepared and distributed.
  - f) Write guiding principle while using hospital formulary.
3. Solve **any four** of the following : (4×3=12)
- a) Define clinical pharmacy and describe the scope of clinical pharmacy.
  - b) Write the uses of :
    - i) C.T. Scanner
    - ii) Ultra sonography
  - c) Explain the role of PTC in drug safety.
  - d) i) Give basis for selection of non-charged floor stock drugs.  
ii) Discuss location of central service room.
  - e) What is patient compliance ? Discuss the factors contributing to non-compliance.
  - f) Explain term bandages. Write in short about "Plaster of Paris" bandage.



4. Solve **any four** of the following :

(4×3=12)

- a) Write short note on :
  - i) Prepackaging
  - ii) Satellite pharmacy
- b) Explain in brief manufacturing of suppositories by moulding method.
- c) Explain factors influencing make or buy decision in hospital.
- d) Differentiate between drug addiction and drug habituation.
- e) Explain the role of computers in purchase and inventory control in hospital.
- f) Define surgical dressings. Describe any two tests to be performed to evaluate absorbent cotton wool I.P.

5. Solve **any four** of the following :

(4×3=12)

- a) Define drug abuse. Write the general treatment for drug abuse.
- b) Explain health delivery system in India at Central Government level.
- c) Define surgical instruments. Write the use of
  - i) Nelson Scissors
  - ii) Allis tissue forcep
- d) Write the functions of hospital pharmacy.
- e) What do you mean by differential leucocyte count ? Give its importance.
- f) Give the mechanism of interaction for the following combinations.
  - i) Folic acid and phenytoin
  - ii) Diuretic and antidiabetics
  - iii) Alcohol-Disulfiram.

6. Solve **any four** of the following :

(4×4=16)

- a) Explain the abilities required for a hospital pharmacist.
- b) What is tuberculosis ? Write its pathophysiology, signs and symptoms.
- c) Explain the following tests for the evaluation of parenterals :
  - i) Sterility test
  - ii) Leaker test
- d) Write the mode of action and use of the following antidote :
  - i) BAL
  - ii) Deferrioxamide
- e) Write in brief about teratogenicity with examples.
- f) Define bioavailability. Discuss any three physiological factors affecting bioavailability of drug.