



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