

00816

21718

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. Attempt the followings : (Any EIGHT)

16

- (a) Define the following terms : (any two)
 - (i) Drug dependence
 - (ii) Bioavailability
 - (iii) Patient compliance
- (b) What are surgical dressings ? Write any two ideal properties.
- (c) What advice will you give to patient taking : (any two)
 - (i) Diazepam
 - (ii) MAO inhibitors
 - (iii) Boric acid
- (d) Write the normal values with their significance : (any two)
 - (i) ESR
 - (ii) Blood pressure
 - (iii) Haemoglobin
- (e) What is universal antidote ? Give its composition.

- (f) Mention the suitable method for sterilization of (any two) :
- (i) Sutures
 - (ii) Hand gloves
 - (iii) Surgical dressings
- (g) Give the use of (any two)
- (i) Lumbar puncture needle
 - (ii) Scalpel
 - (iii) ECG
- (h) What is Elite hospital ?
- (i) State the meaning of
- (i) Lithotripsy
 - (ii) Relative Bioavailability
 - (iii) Cholagogues
- (j) Translate following terms into English (any four)
- (i) Auristillae
 - (ii) Capiondus
 - (iii) Nocte
 - (iv) Fortis
 - (v) Unguentum
- (k) Define sterilization. Write the principle of autoclaving.
- (l) Write the composition of PTC.

2. Attempt the followings : (Any FOUR)

12

- (a) Define Hospital. Classify it on the basis of clinical parameter.
- (b) Discuss the alcohol withdrawal symptoms and treatment.
- (c) Write the pathophysiology and manifestations of TB.
- (d) Define DIC. Write sources of drug information.

- (e) What is hospital formulary ? Discuss the contents of hospital formulary.
- (f) Define the following terms : (any three)
 - (i) Etiology
 - (ii) Ischaemia
 - (iii) Phocomelia
 - (iv) Absolute Bioavailability

3. Attempt the followings : (Any FOUR)

12

- (a) Define clinical pharmacy. Describe its scope.
- (b) Define unit dose dispensing ? Discuss UDDS.
- (c) Explain physiological factors affecting on Bioavailability.
- (d) Discuss the methods of estimation of demand.
- (e) Define patient counselling. Discuss the role of pharmacist in patient counselling.
- (f) Differentiate between psychological drug dependence and physical drug dependence.

4. Attempt the followings : (Any FOUR)

12

- (a) Discuss the applications of computer in medication monitoring.
- (b) Write pathophysiology, signs and symptoms of 'Hypertension' **OR** 'Rheumatoid arthritis'.
- (c) Write uses of
 - (i) CT Scan
 - (ii) HEPA
 - (iii) Ryle's tube
- (d) Define and classify ADR.
- (e) Give requirements and list the technical abilities of Hospital Pharmacist.
- (f) Write about Nursing services in a hospital.

P.T.O.

- 5. Attempt the followings : (Any FOUR) 12**
- (a) Define Drug Interaction. Discuss any two drug-food interaction with example.
 - (b) Define and classify Poison.
 - (c) What are the various reasons for ADR.
 - (d) Discuss factors affecting on 'Make or Buy' decision.
 - (e) Explain the drug interactions of the following : (Any two)
 - (i) Folic acid and phenytoin
 - (ii) Diuretics and Antidiabetic agent
 - (iii) Phenyl butazone and warfarin.
 - (f) Discuss floor stock drug distribution system in hospital.
- 6. Attempt the followings : (Any FOUR) 16**
- (a) Describe the following tests for evaluation of parenteral solution :
 - (i) Sterility test
 - (ii) Leaker test
 - (b) What is PTC ? Describe the role of PTC in drug safety.
 - (c) Define drug abuse. How the drug abuse is treated ?
 - (d) What is patient compliance ? Discuss the reasons for patient non-compliance.
 - (e) Give objectives of inventory control. Explain procedure for purchasing.
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816

11819

3 Hours / 80 Marks

Seat No.

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- Instructions :**
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 - (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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