

00816

**11920**

**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 questions :**

**16**

- (a) Define the following terms : (any **two**)
  - (i) Drug abuse
  - (ii) Pyrogens
  - (iii) Hospital
- (b) Give normal values with significance : (any **two**)
  - (i) Blood cholesterol
  - (ii) ESR
  - (iii) Sperm Count
- (c) Translate into English : (any **four**)
  - (i) Collyrium
  - (ii) Tussis
  - (iii) Dolore urgente
  - (iv) Unus
  - (v) Hora Somni

[1 of 4]

**P.T.O.**

- (d) State the meaning of : (any **two**)
  - (i) Carminatives
  - (ii) Anorexia
  - (iii) Necrosis
- (e) What advice must be given to patients while using following drugs ? (any **two**)
  - (i) Haematinics
  - (ii) Diphenhydramine
  - (iii) Amoxycillin
- (f) What is first pass effect ?
- (g) What do these abbreviations stand for ?
  - (i) CCF
  - (ii) BAL
  - (iii) ECG
  - (iv) LAL
- (h) Write **one** example of each poison :
  - (i) Corrosive
  - (ii) Irritant
  - (iii) Neurotic
  - (iv) Mechanical
- (i) Write uses of (any **two**) :
  - (i) CT Scanner
  - (ii) Foley's Catheter
  - (iii) Scalpel
- (j) Mention doses of (any **two**) :
  - (i) Dimercaprol
  - (ii) EDTA
  - (iii) Desferrioxamine

- (k) Name **four** quality control tests for parenterals.
- (l) State meaning of (any **two**) :
  - (i) Cold
  - (ii) Cool
  - (iii) Freeze

**2. Solve any FOUR questions :**

**12**

- (a) Classify hospitals on the basis of ownership.
- (b) Draw a layout of outpatient pharmacy.
- (c) Differentiate between drug addiction and drug habituation.
- (d) Write pathophysiology, signs & symptoms of Tuberculosis **OR** Hepatitis.
- (e) Define Adverse Drug Reaction. Classify ADR with examples.
- (f) Define Bioavailability. Enlist factors affecting bioavailability of drugs.

**3. Solve any FOUR questions :**

**12**

- (a) Give any six functions of hospital.
- (b) Enlist different abilities a hospital pharmacist should possess & explain any one ability.
- (c) Discuss the role of PTC in drug safety.
- (d) What is unit dose dispensing ? Write benefits of WDD.
- (e) Explain the role of pharmacist in Patient counselling.
- (f) Explain how purchase order is prepared.

**P.T.O.**

- 4. Solve any FOUR questions : 12**
- (a) Define clinical pharmacy. Give different roles of clinical pharmacist.
  - (b) Write three administrative patterns of Central Sterile Services Department.
  - (c) Comment on various sources of Drug information.
  - (d) Enlist methods of Drug distribution in hospital. Give advantages & disadvantages of floor stock system.
  - (e) Explain food-drug interactions with examples.
  - (f) Write pathophysiology & signs & symptoms of diabetes.
- 5. Solve any FOUR questions : 12**
- (a) Define and classify surgical dressings with one example each.
  - (b) Define patient compliance. Discuss factors that influence patient compliance.
  - (c) Explain role of computers in purchase and inventory control in hospitals.
  - (d) Classify pharmacodynamics drug interactions with examples.
  - (e) Define non-sterile manufacturing. Give list of equipments required in manufacturing of tablets.
  - (f) How is absorbent cotton wool evaluated as per IP ?
- 6. Solve any FOUR questions : 16**
- (a) What are the steps involved in general treatment of poisoning ? Explain.
  - (b) Explain Teratogenicity and Idiosyncrasy.
  - (c) Define DIB. Give qualifications and abilities required for running DIC.
  - (d) Explain factors influencing make or buy decision in hospitals. What are the different methods of estimation of demand ?
  - (e) Define Hospital formulary. Write about the guiding principles while using a hospital formulary.
  - (f) What are the objectives of hospital pharmacy ?
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