

0816

15162

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 following :**

**20**

- (a) Define the following (Any **four**)
- (i) Hospital Pharmacy
  - (ii) Drug Information Service
  - (iii) Patient Compliance
  - (iv) Drug Interaction
  - (v) Hospital Formulary
- (b) What advice will you give to the patient taking : (Any **four**)
- (i) Diazepam
  - (ii) Tetracycline
  - (iii) Phenolphthalein
  - (iv) MAO Inhibitors
  - (v) Boric acid

**P.T.O.**

(c) Give normal values of : (Any **four**)

(i) Heart rate

(ii) RBC

(iii) ESR

(iv) Sperm count

(v) Blood sugar

(d) Translate into English : (Any **four**)

(i) Guttae

(ii) Bis in die

(iii) Nebula

(iv) Omni nocte

(v) Collutorium

(e) Explain the following : (Any **four**)

(i) Lithotripsy

(ii) Drug Habituation

(iii) Idiosyncrasy

(iv) PTC and drug safety

(v) Triple roller ointment mill

- 2. Attempt any THREE of the following : 12**
- (a) Define Modern Hospital and write its functions.
  - (b) Explain the abilities and competence required for a Hospital Pharmacist.
  - (c) Explain Receipt and Issue system in out patient dispensing.
  - (d) Define Clinical Pharmacy and describe its scope.
  - (e) Write the 'Consequences of Non-compliance'.
- 3. Attempt any THREE of the following : 12**
- (a) Write pathophysiology, signs and symptoms of 'Myocardial Infarction' or 'Rheumatoid arthritis'.
  - (b) Explain 'Drug-Food Interaction'.
  - (c) Define Unit dose dispensing. Write its benefits.
  - (d) Define Central Services. Give various administrative patterns of Central Services.
  - (e) Discuss four important factors governing make or buy decision.
- 4. Attempt any THREE of the following : 12**
- (a) Name and explain the various additives used in the parenteral formulation.
  - (b) Describe the procurement or purchase procedure step-by-step.
  - (c) Define Adverse drug Reaction. Explain the various reasons for Adverse reactions.
  - (d) Classify Poisons with examples.
  - (e) Give medical complications, withdrawal symptoms and treatment of Alcoholism.

**P.T.O.**

**5. Attempt any THREE of the following : 12**

- (a) What is Bioavailability ? Discuss physiological factors affecting bioavailability of drugs.
- (b) What are antidotes ? Classify them with examples.
- (c) Write the guiding principles while using a hospital formulary.
- (d) Write any four tests to evaluate 'Absorbent Cotton Wool IP'.
- (e) Explain the use of computers in purchasing and inventory control.

**6. Attempt any THREE of the following : 12**

- (a) Give a short account of hospitals classified on the basis of size.
  - (b) Explain the following :
    - (i) Haematinics
    - (ii) Anaesthetics
    - (iii) Cholagogues
    - (iv) Tranquilizers
  - (c) Explain the 'Floor Stock System'.
  - (d) Explain the role of Pharmacist in monitoring adverse drug reactions.
  - (e) Explain 'Pyrogen testing'.
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