

00816

21819

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.

1. Answer any EIGHT of the following :

**Marks**

**16**

- (a) Define :
  - (i) Hospital pharmacy
  - (ii) Teratogenicity
- (b) Give the normal physiological value of : (any four)
  - (i) Haemoglobin
  - (ii) Blood cholesterol
  - (iii) Clotting time of blood
  - (iv) Sperm count
  - (v) Heart rate
- (c) Translate into English : (any four)
  - (i) Guttae
  - (ii) Unus
  - (iii) Charata
  - (iv) Bis in Die
  - (v) Omni Nocte

- (d) What is the full form of following : (any four)
  - (i) WFI
  - (ii) DIC
  - (iii) PTC
  - (iv) CUDD
  - (v) EEG
- (e) What advice will you give to patients about following drugs ? (any two)
  - (i) Spermicidal jellies & cream
  - (ii) MAO – Inhibitors
  - (iii) Salicylates
- (f) Name two preservatives used in parenteral preparation.
- (g) Define the term – Referred Patient, Ambulatory Patient.
- (h) Give any two reasons for patient non-compliance.
- (i) Give the uses of : (any two)
  - (i) Rule's tube
  - (ii) CT Scanner
  - (iii) X-ray machine
- (j) What are the benefits of unit Dose Dispensing ?
- (k) Classify Hospital on the basis of its bed size.
- (l) Name four quality control tests for parenterals.

**2. Solve any FOUR :****12**

- (a) Name various methods of sterilization. Give principle of HOT AIR OVEN & AUTOCLAVE.
- (b) Write in brief about BED-SIDE Pharmacy.

- (c) What is prepackaging of medicines ? Give its advantages.
- (d) Enlist the abilities required for Hospital Pharmacist. Explain any two.
- (e) Give the functions of PTC.
- (f) Discuss drug-food interactions.

**3. Solve any FOUR :****12**

- (a) Which are the equipments used for manufacturing of pills & compressed tablets as per Drug & Cosmetic Act and Rules ?
- (b) Name any four surgical instrument with their uses.
- (c) What are the functions of Modern Hospital ?
- (d) Describe signs, symptoms & pathophysiology of Rheumatoid Arthritic Or Diabetes.
- (e) Explain what happens when the following drugs are prescribed together :
  - (i) Digitalis & Diuretics
  - (ii) Warfarin & Phenyl Butazone
- (f) Define Hospital formulary. Write the guiding principles while using hospital formulary.

**4. Solve any FOUR :****12**

- (a) What is Idiosyncrasy and Allergy ?
- (b) Define clinical pharmacy. What is the scope of clinical pharmacy ?
- (c) Enlist the different softwares used in Hospital pharmacy. Explain the use of computer in Inventory control.
- (d) How surgical cotton is evaluated as per I.P. ?
- (e) Define Hallucinogen. Give the effects and treatment of LSD.
- (f) Define DIB. Write sources of drug information.

**P.T.O.**

**5. Solve any FOUR :****12**

- (a) Differentiate between Drug Addiction and Drug Habituation.
- (b) Classify Antidotes with examples.
- (c) Define Bioequivalence. Explain first pass effect.
- (d) What are the objectives and functions (any three of each) of Hospital pharmacy ?
- (e) Define outpatient. Explain the Receipt and Issue system to outpatient.
- (f) Define and classify poisons.

**6. Solve any FOUR :****16**

- (a) Describe the Location & Layout of central sterile service room.
  - (b) What is (ADR) – Adverse Drug Reaction ? Give the classification of ADR. Give the reasons for Adverse Drug Reaction.
  - (c) Write the Role of pharmacist in patient counselling.
  - (d) Discuss four important factors governing make or buy decision.
  - (e) Describe procurement or purchase procedure step-by-step.
  - (f) Explain floor stock system.
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