

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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