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Sr. No. of Question Paper : 306

Roll No.....

Name of the Course : **D. Pharma. – IInd Yr (2014)**

Name of the Paper : VII Pharmaceutics – II

Duration : 3 Hours

Maximum Marks : 80

Instructions for Candidates

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Attempt any **five** questions.
3. **All** questions carry equal marks.

1. (a) Explain the term prescription. Describe the procedure that how a prescription is to be handled by a pharmacist. (10)
- (b) Translate the following Latin terms into English :
 - (i) Levis
 - (ii) Dol. Urg.
 - (iii) Coch-parvum
 - (iv) E. Lacte
 - (v) Inter cibos
 - (vi) Omni mane(6)
2. (a) What are tablet triturates? Discuss their types and methods of preparation. (8)
- (b) What are lotions? How you dispense lotions containing insoluble substances? (8)
3. (a) Define the term suspension. Discuss different types of suspensions. (8)
- (b) Differentiate between the following : (8)
 - (i) O/W and W/O emulsions
 - (ii) Ointment and Paste

P.T.O.

4. (a) Discuss various methods of preparation of ointments. (8)
- (b) What are suppositories ? Describe advantage of suppositories and explain different types of suppositories. (8)
5. (a) What are the dentifrices ? What should the ideal qualities be of dentifrices ? Give the formula and method of preparation of any dentifrice. (10)
- (b) Discuss various factors which affect the dose of a drug. (6)
6. (a) Describe the tests performed for the evaluation of parenteral products. (8)
- (b) Explain ophthalmic products with suitable examples. Describe the formulation of eye drops in detail. (8)

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Sr. No. of Question Paper : 307

Roll No.....

Name of the Course : D. Pharma. – IInd Yr (2014)

Name of the Paper : VIII Pharmaceutical Chemistry – II

Duration : 3 Hours

Maximum Marks : 80

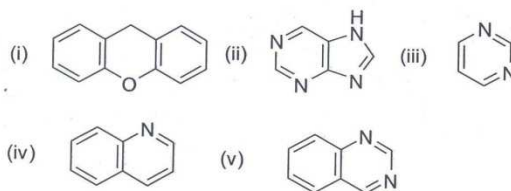
Instructions for Candidates

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Attempt **five** questions.
3. Q. No. 1 is compulsory.

1. (a) Write the structure of (any **eight**) :

- (i) 1-H-1,4-Diazepine
- (ii) 2-H-1,2-Thiazine
- (iii) 1,2,3,4-Tetrahydropyrimidine
- (iv) Pyrrole
- (v) Furan
- (vi) 2-Imidazoline
- (vii) 1,2,5-Thiadiazole
- (viii) Imidazolidine-2,4-dione
- (ix) Pyridazine

(b) Write the IUPAC name (any **four**) :



P.T.O.

- (c) How cholinergic drug differ from cholinesterase inhibitors.
2. (a) Write the category and specific uses of any **five** :
- | | |
|-----------------|-------------------|
| (i) Ethambutol | (ii) Piperazine |
| (iii) Diazepam | (iv) Isoprenaline |
| (v) Propranolol | (vi) Chloroquine |
- (b) Write the chemical name and structure of :
- | |
|----------------------|
| (i) Dapsone |
| (ii) Metronidazole |
| (iii) Chlorpromazine |
3. Give detail account on furosemide and phenformin.
4. Write notes on :-
- | |
|---------------------------|
| (a) Anti depressant drugs |
| (b) Diuretics |
5. What are hormones ? Give classification and explain different male sex hormones.
6. Classify anti tubercular drugs. Write in details about the properties, actions, uses and preparation of first line antituberculars.
7. What are broad spectrum antibiotics ? Write the basic structure, storage condition, and official forms of penicillin.

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Sr. No. of Question Paper : 308

Roll No.....

Name of the Course : **D. Pharma. – IIInd Yr (2014)**

Name of the Paper : IX Pharmacology and Toxicology

Duration : 3 Hours

Maximum Marks : 80

Instructions for Candidates

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Attempt any **five** questions in all.
3. **All** questions carry equal marks.

1. Briefly describe the various routes of drug administration. (16)

2. Classify antiepileptic drugs. Write pharmacology of valproic acid. (16)

3. Write short notes on any **two** :

(a) Antianginal agents

(b) Diuretics

(c) Hypoglycemic agents (8+8)

4. Classify antiviral drugs. Write mechanism of action, adverse effects and uses of Zidovudine. Give the therapeutic anti HIV regimen. (16)

5. Write short notes on any **four** :

(a) Methotrexate

(b) Isoniazid

(c) Cimetidine

P.T.O.

(d) Heparin

(e) Allopurinol

(4×4)

6. Write short notes on any **two** :

(a) Antithyroid drugs

(b) Drugs in peptic ulcer

(c) Anti arrhythmic agents

(8+8)

7. Write short notes on any **four** :

(a) Disinfectants

(b) Atropine

(c) Omeprazole

(d) Warfarin

(e) Diazepam

(4×4)

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Sr. No. of Question Paper : 309

Roll No.....

Name of the Course : **D. Pharm – II Year (2014)**

Name of the Paper : X Pharmaceutical Jurisprudence

Duration : 3 Hours

Maximum Marks : 80

Instructions for Candidates

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Attempt any **five** questions.
3. **All** questions carry equal marks.

1. Define the following terms :

- (a) Drug
- (b) Magic remedies
- (c) Adulterated
- (d) Spurious
- (e) Schedule F
- (f) Schedule G
- (g) Ceiling price
- (h) Poppy straw

(2×8)

2. Discuss the following :

- (a) First register of Pharmacist
- (b) CDSCO
- (c) Pharmacist Oath
- (d) Government Analyst

(4×4)

P.T.O.

3. Describe important features of the following Acts :
- (a) Drug Price control order
 - (b) Medicinal and Toilet Preparations Act (8+8)
4. Write note on the following :
- (a) Good Manufacturing Practice
 - (b) Education Regulation (8+8)
5. Discuss the provisions related to import of different categories of drug under Drug and Cosmetic Act and Rules. (16)
6. (a) Discuss the provisions related to cultivation, production and sale of opium.
(b) Describe offences and penalties related to narcotic drugs. (8+8)
7. (a) Write short note on provisions under which pregnancies can be terminated.
(b) Give labeling requirements for schedule H, G, X and C drugs. (8+8)
8. Write note on :
- (a) Objectionable Advertisement
 - (b) Poison Act (8+8)

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Sr. No. of Question Paper : 310

Roll No.....

Name of the Course : **D. Pharm – IInd Year (2014)**

Name of the Paper : XI Drug Store and Business Management

Duration : 3 Hours

Maximum Marks : 80

Instructions for Candidates

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Attempt any **five** questions.
3. **All** questions carry equal marks.

1. Explain in detail about trade and aids to trade.
2. What do you understand by the term business organization. Explain briefly the various kinds of business organization.
3. What are the various factors taken into consideration while selecting a site for a drug store ? Explain types of drug store and their design.
4. Write notes on any **two** :
 - (i) Tenders and contracts
 - (ii) Classification and codification of stores
 - (iii) Sales promotion
5. Explain the various accounting concepts and conventions.
6. What is financial planning ? How is it done ? What are the various sources from which finance can be procured ?

P.T.O.

7. Write short note on any **two** :

(i) Book keeping

(ii) Balance sheet

(iii) Types of banks

8. Discuss the types of financial statements. Discuss techniques used for financial analysis.

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Sr. No. of Question Paper : 311

Roll No.....

Name of the Course : **D. Pharm – IInd Year (2014)**

Name of the Paper : Hospital and Clinical Pharmacy XII

Duration : 3 Hours

Maximum Marks : 80

Instructions for Candidates

1. Write your Roll No. on the top immediately on receipt of this question paper.
 2. Attempt any **FIVE** questions.
 3. **All** questions carry equal marks.
 4. Different parts of a question should be answered in sequence.
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1. Describe the functions and objectives of hospital pharmacy. Explain the organization and management of hospital pharmacy in detail. (16)
 2. Explain the following :
 - (a) Drug distribution system in hospitals.
 - (b) Drug information centre (8+8)
 3. With the help of flow diagram explain the organization of Pharmacy and Therapeutic Committee (PTC). Write composition, operation and functions of PTC. (16)
 4. Describe the basic lay-out of plant and production planning of a sterile large volume parenteral production unit in a big hospital. What is the difference between large volume parenteral and small volume parenteral ? (16)
 5. Define Drug Interactions. Explain drug interactions involving hypoglycaemic agents, diuretics, analgesics and gastrointestinal agents giving suitable examples. (16)

P.T.O.

6. Discuss the role of pharmacist in management of drug abuse. How a pharmacist can help in controlling drug addiction ? (16)
7. Discuss pathophysiology and symptoms of Tuberculosis, Hepatitis, Epilepsy and Diabetes. (16)
8. Write short note on **any four** of the following :
 - (a) Application of computers in pharmacy
 - (b) General treatment of poisoning
 - (c) Drug-food interaction
 - (d) Qualifications required for Hospital Pharmacists
 - (e) Surgical dressings (4×4)