

June 2018

PH-II/3

PHARMACOLOGY AND TOXICOLOGY

Time Allowed: 3 Hours

Full Marks: 80

Answer any five questions.

1. Justify the statement whether it is true or false (any eight): 2x8
 - a) Atropine produces photophobia.
 - b) Adrenaline is added to injection of local anesthetics.
 - c) Chloroform is a good anaesthetic.
 - d) Ether is stored in amber coloured container.
 - e) Antihypertensive are used along with diuretics.
 - f) Digitalis controls ventricular rate in atrial fibrillation.
 - g) In the treatment of tuberculosis drug always given in combination.
 - h) Sulphar drugs are not effective in pus.
 - i) Aspirin is used in patient with peptic ulcer.
 - j) Thiopentone is a long acting barbiturate used for sedation..

2. Define the following (any eight): 8x2

a) Atherosclerosis	b) Colitis
c) Ataxia	d) Hirsutism
e) Cushing's Syndrome	f) Myalgia
g) Alopecia	h) Narcosis
i) Bradycardia	j) Addison's disease

3. Write notes on: 4x4
 - a) Drug Toxicity
 - b) Metabolism of drugs
 - c) Tolerance of drugs
 - d) Drug interaction

4. Define antineoplastic agent. Classify it with suitable example. Mention the drugs used in Round Worm, Hook Worm and Thread Worm infestation with their mechanism of action. 2+5+9

5. Write down the treatment of the following: 4x4
 - a) Treatment of Diabetes mellitus
 - b) Treatment of Cough
 - c) Treatment of Anaphylactic shock
 - d) Treatment of Gout

6. Mention the mechanism of drug action of the following: 8x2

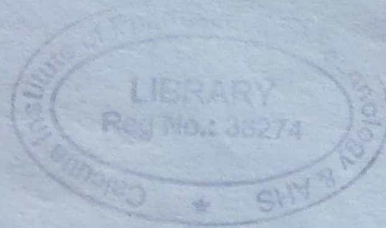
a) Digoxin	b) Enalapril
c) Theophylline	d) PAM
e) Nifedipine	f) Trimethoprim
g) Hydralazine	h) Rifampicin
i) Tetracycline	j) Erythromycin

7. Define Diuretics. Classify the drugs used as diuretics. Define Purgative. Classify it with suitable example. Write notes on Osmotic Diuretics and Osmotic Purgative. 1+4+1+4+6

8. Write notes on (any two): 2x8

(a) Central Nervous System Stimulants, (b) Antipsychotic Drugs, (c) Local Anaesthetics.

June 2018



PH-II/4

PHARMACEUTICAL JURISPRUDENCE

Time Allowed: 3 Hours

Full Marks: 80

Answer to Question No.1 and any four from the rest.

1. A. Fill in the blanks (any ten):

1x10=10

- i) The Ganja and Charas are the derivatives of _____.
- ii) License issued for whole sale of drugs in the Form No. _____.
- iii) Dapsone belongs to Schedule _____.
- iv) The Drugs and Cosmetics Act was passed in the year of _____.
- v) Schedule FF indicates _____.
- vi) Empty gelatin capsule can be said as _____ as per Drugs & Cosmetics Act.
- vii) Ethosuximide belongs to Schedule _____.
- viii) Sera are tested at _____.
- ix) In PCI, there are _____ Ex-officio members.
- x) All registers for sale of drugs should be maintained for _____ year.
- xi) The minimum age for registration for pharmacist is _____.
- xii) Pharmacy Act was enacted in the year of _____.
- xiii) Drugs bill was passed in three year of _____.

B. Differentiate between (any two):

2x3=6

- i) Bonded laboratory and Non-bonded laboratory
- ii) Loan licenses and Repacking licenses
- iii) Import of schedule X drugs and Import of schedule C & C1 drugs.

2. Write short notes on (any four):

4x4

- (a) Schedule J, (b) Government Analyst, (c) Calculation of retail price of formulation as per DPCO, 89, (d) Narcotic & Psychotropic substances Act, (e) Labeling of drugs.

3. Mention the constitution and function of State Pharmacy Council. "10 years working experience in retail shop is enough to be a registered Pharmacist" – write your comments regarding.

13+3

4. "Pharmacist is the maker & messenger of medicine" Baba Ramdev is doing this work very effectively. Explain the difference between Baba Ramdev and you from ethical point of view. Explain the role of pharmacist in relation to his job and profession.

16

5. Write down the qualification for appointment as drugs Inspector. Mention their duties and responsibilities. Explain the procedures of samplings.

5+5+6

6. Define the following as per prevalent Act (any four):

4x4

- (a) Drugs, (b) Spurious Drugs, (c) Misbranded drugs, (d) Adulterated Drugs, (e) New Drugs.

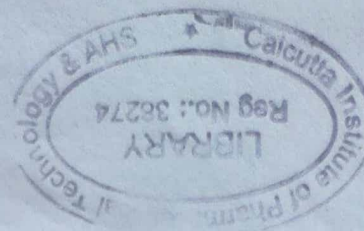
7. Discuss under what circumstances termination of pregnancy is legal. Who is the person eligible for termination of Pregnancy? Mention the permitted place for abortion. State the condition for terminating a pregnancy of more than 12 weeks.

4+4+4+4

8. Write notes on – (a) Education Regulation 91, (b) DTAB.

8+8

June 2018



PH-II/6

HOSPITAL AND CLINICAL PHARMACY

Time Allowed: 3 Hours

Full Marks: 80

Answer any five questions.

1. Define any eight of the following: 8x2=16
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|------------------------------|-----------------------|
| a) Drug abuse | b) Patient Counseling |
| c) Systemic antidotes | d) Bed side Pharmacy |
| e) Mutagenicity | f) Patient compliance |
| g) Drug information bulletin | h) Thrombocytopenia |
| i) Clinical Pharmacy | j) Hospital formulary |
2. a) Discuss the pathophysiology and symptoms of any two of the following: (2x6½)+3
- | |
|------------------------------|
| i) Hepatitis |
| ii) Congestive Heart Failure |
| iii) Epilepsy |
- b) How will you treat a case of narcotic poisoning?
3. Define Hospital Pharmacy. Write in short about location and lay-out of Hospital Pharmacy. Write in brief about the health care delivery system in India. 2+8+6
4. Write short notes on any two of the following: 2x8
- | |
|-----------------------------|
| a) Drug Dependence, |
| b) Surgical Instruments , |
| c) Central Sterile Services |
5. Define Pharmacy Therapeutic Committee. Write the composition and function of it. Write in brief the Drug Distribution system in Hospitals. 2+8+6
6. a) Define drug interaction and Adverse drug reaction with example.
- b) Mention the mechanism and clinical significance of the following drug combinations (any four): 4+(4x3)
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|--|
| i) Antacids – Ciprofloxacin |
| ii) Salicylates – Methotrexate |
| iii) Erythromycin - Theophylline |
| iv) Spironolactone- Potassium Chloride |
| v) Rifampicin – Oral contraceptives |
7. Give the clinical significance of any four of the following: 4x4
- | |
|-----------------------|
| a) Serum creatinine |
| b) SGOT |
| c) Blood Cholesterol |
| d) E.S.R. |
| e) Sputum Examination |
8. Discuss briefly any two of the following: 2x8
- | |
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| a) Factors affecting Bioavailability of drugs. |
| b) Teratogenicity. |
| c) Drug-food interaction. |
| d) Computer application in Hospital Pharmacy. |