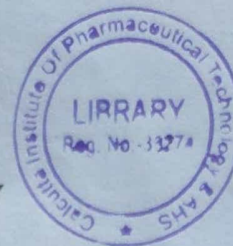


June 2019

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) Acetylcholine is used as therapeutics.
 - b) Atropine produces photophobia.
 - c) Adrenaline is used in asthma.
 - d) Penicillin is life saving and life threatening drug.
 - e) Salicylate therapy always supported with Vitamin K.
 - f) Eating of cheese is advised with MAO-Inhibitor.
 - g) Sulphur drug is not effective in pus.
 - h) Morphine is advised in brain injury.
 - i) Chloroform is good anaesthetic.
 - j) Cimetidine is H1 receptor blocker.

2. Explain the following term (any twelve): 12x1½

a) Oliguria	b) Parkinsonism
c) Mydriasis	d) Narcolepsy
e) Pleurisy	f) Gynaecomastia
g) Haemoptysis	h) Glossitis
i) Colitis	j) Cycloplegia
k) Delirium	l) Anuria
m) Alopecia	n) Ataxia

3. Write notes on: 4x4

(a) Drug Absorption, (b) Drug Distribution, (c) Drug Metabolism, (d) Excretion of drugs

4. Write down the following: 4x4

(a) Anticancer antibiotics, (b) Broad spectrum antifungal antibiotics, (c) Chemotherapy of leprosy, (d) Chemotherapy of STD.

5. Write down the treatment of the following: 4x4

(a) Cardiac arrhythmia, (b) Bronchial asthma, (c) Diabetes mellitus, (c) Peptic ulcer.

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

a) Tetracycline	b) Ethionamide
c) Rifampicin	d) Vancomycin
e) Chloramphenicol	f) Captopril
g) Protamine	h) Hydralazine

7. Define Diuretics. Classify them with example. Mention the diuretic effect, hypotensive effect, metabolic effect, therapeutic uses, side effects and contraindication of thiazide diuretics and frusemide. 2+5+9

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

(a) Oral contraceptives, (b) Anticoagulants, (c) Sympathetic blocking drugs.

June 2019

HOSPITAL AND CLINICAL PHARMACY



PH-II/6

Time Allowed: 3 Hours

Full Marks: 80

Answer any five questions.

1. Define any eight of the following: 8x2
(a) Hospital, (b) Charge floor stock drug, (c) Teratogenicity, (d) Drug dependence, (e) Hospital formulary, (f) Clinical Pharmacy, (g) Bed side pharmacy, (h) Systemic antidote, (i) Patient compliance, (j) Bioequivalence
2. a) Discuss the pathophysiology and symptoms of any two of the following:
(i) Epilepsy, (ii) Diabetes, (iii) Peptic Ulcer (2x6)+4
b) How will you treat a case of insecticide poisoning?
3. a) Define Hospital Pharmacy. Describe the functions of Hospital Pharmacy. 2+8+6
b) Give a schematic representation of the organization pattern of a hospital.
4. Write short notes on any two of the following: 2x8
(a) Surgical dressing, (b) Drug Information Service, (c) Central Sterile Services, (d) Medication History
5. a) Define Pharmacy Therapeutic Committee. Write the composition and function of it. 2+8+6
b) Discuss the functions of Clinical Pharmacist.
6. a) Define the term "Drug-Drug Interaction".
b) Write the mechanism and clinical significance of the following drug combinations (any four) –
(i) Spironolactone – Potassium Chloride, (ii) Pyridoxine – Levodopa, (iii) Bisacodyl – Antacid, 2+(4x3½)
(iv) Alcohol – Metronidazole, (v) Propranolol – Antidiabetic drug.
7. Mention the clinical significance of the following parameters (any four): 4x4
(a) RBC count, (b) Blood Sugar, (c) Clotting time of blood, (d) Serum bilirubin, (e) SGOT
8. Discuss briefly any two of the following: 2x8
(a) Factors affecting Bioavailability of drug, (b) Adverse drug reaction, (c) Drug addiction, (d) Computer application in hospital Pharmacy

June 2019



PH-II/4

PHARMACEUTICAL JURISPRUDENCE

Time Allowed: 3 Hours

Full Marks: 80

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

1. Answer the following questions (any eight): 8x2
 - a) Write the object of Pharmacy Act.
 - b) Who is a registered Pharmacist?
 - c) What is section 42 of the Pharmacy Act?
 - d) What is schedule N of Drugs and Cosmetics Act?
 - e) What are magic remedies as per relevant acts?
 - f) Which authority is responsible for giving registration as Pharmacist?
 - g) What is the qualification of licensing authority of drug control organization as per act?
 - h) What is bonded laboratory?
 - i) What do you mean by the term "Ethics"?
 - j) Who is a qualified person as per the Drugs and Cosmetics Act?
 - k) What is Education Regulation as per Pharmacy Act?

2. Answer the following questions: 1+10+5
 - a) Write down the date of enhancement of medical termination of Pregnancy Act.
 - b) Discuss the conditions under which pregnancy may be terminated as per M.T.P. Act.
 - c) What should be the age of the mother for termination of pregnancy? What will be the condition in case of lunatic woman?

3. Answer the following questions: 5+11
 - a) Discuss in brief code of ethics framed by P.C.I.
 - b) Write down the code of Ethics which should be followed by the pharmacist in relation to his profession or medical profession.

4. Answer the following questions: 8+8
 - a) Explain the manner of labelling as per Drugs and Cosmetics Act 1940 and Rules 1945.
 - b) Discuss the prohibited advertisement as per Drugs and Magic remedies Act.

OR

Exempted advertisement as per the above act.

5. Write brief notes on the following (any four): 4x4
 - a) Calculation of retail price of drug formulation as per DPCO.
 - b) First register as per Pharmacy Act.
 - c) Narcotic drug
 - d) Objective of Poison Act and its application.
 - e) Types of licenses used for the sale of drugs.

6. Answer the following questions: 8+8
 - a) Write down the duties of Drug Inspector.
 - b) Discuss procedure of sampling of drug by Drug Inspector.

7. Answer the following questions: 8+8
 - a) Discuss the constitution of Pharmacy Council of India.
 - b) Discuss the function of Pharmacy Council of India.

8. Differentiate between the following (any four): 4x4
 - a) Adulterated Drug and Misbranded Drug.
 - b) Qualification of Drug Inspector and qualification of Government Analyst.
 - c) Central Drug Laboratory and State Drug Laboratory.
 - d) Drugs and Cosmetics.
 - e) Penalty for falsely claiming to be a pharmacist and penalty for dispensing by unregistered person.