

May 2017



PH-II/3

PHARMACOLOGY AND TOXICOLOGY

Time Allowed: 3 Hours

Full Marks: 80

Answer any five of the following questions.

1. Justify the statement whether it is True or False (any eight): 2×8
 - a) Metoclopramides should not be used with anticholinergic drugs.
 - b) Verapamil should be used with propranolol.
 - c) Heparin should be used with aspirin.
 - d) MAOIs should be used with amphetamine.
 - e) Methotrexate should not be used with probenecid.
 - f) Sulphonamide are effective with procaine.
 - g) Primaquine should be taken with deficiency with glucose-6-phosphate dehydrogenase.
 - h) Levodopa should be used with benserazide.
 - i) Phenobarbitone should be used with sodium valproate.

2. Write notes on the followings (any four): 4×4

(a) Teratogenicity, (b) Anaphylaxis, (c) Iatrogenic drugs, (d) Idiosyncrasy, (e) Margin of safety

3. Explain the following terms (any four): 4×4

(a) Salicylism, (b) Biological half-life, (c) Repository penicillin, (d) Biotransformation of Drugs, (e) Myasthenia gravis

4. Answer the followings (any four): 4×4

(a) Chemotherapy of tuberculosis, (b) Pharmacotherapy of cough, (c) Spectrum of antibiotics, (d) Chemotherapy of Amebiasis

5. Write the treatment of the following diseases: 4×4

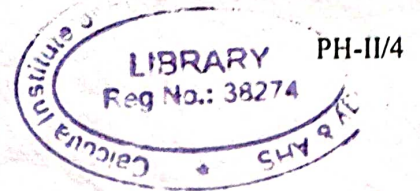
(a) Treatment of Heart failure, (b) Treatment of leprosy, (c) Treatment for poisoning, (d) Treatment for Malaria

6. Mention the mechanism of drug action of the followings (any eight): 8×2

(a) Penicillin, (b) Azithromycin, (c) Furosemide, (d) Co-Trimoxazole, (e) Aspirin, (f) Captopril, (g) Acyclovir, (h) Isoniazid, (i) Allopurinol

7.
 - a) What is Epilepsy?
 - b) How seizures are classified on the basis of clinical manifestation?
 - c) What is Parkinsonism?
 - d) Mention the drugs used to treat Parkinsonism. 2+7+2+7

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PHARMACEUTICAL JURISPRUDENCE

Time Allowed: 3 Hours

Full Marks: 80

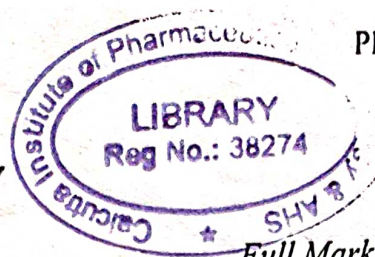
Answer Question No. 1 and any four from the rest.

1. A. Correct the followings wherever necessary: 10×1=10
- i) Drug controller of India is an ex-officio member of all the Pharmacy council.
 - ii) Opium can be cultivated & exported on behalf of the Govt. of India.
 - iii) The licence for manufacture of alcoholic goods remains valid for five years.
 - iv) Drugs other than those in schedule 'C' & 'C1' & X can be imported without licence.
 - v) Schedule 'M' consists of list of minimum equipment that a Pharmacy should possess.
 - vi) Schedule 'H' Schedule 'C' drugs cannot be sold without prescription.
 - vii) Drugs inspectors are deemed to be Govt. servants under Indian Penal code.
 - viii) Cosmetics which are imitations for other cosmetics are deemed to be misbranded.
 - ix) Qualified Supervision is not necessary for wholesale of drugs.
 - x) Repacking licences can be granted for all kind of Drugs.
- B. Fill in the blanks: 6×1=6
- i) The elected and nominated members of the council can hold office for a period of _____.
 - ii) The opium can be processed only at _____ factories.
 - iii) All schedule 'C' drugs should be tested for _____.
 - iv) DCC renders advice on _____ matters related of drugs.
 - v) Repacking of Drugs should be carried out under the supervision of _____.
 - vi) Formulations containing a colour other than those permitted are _____ drugs.
2. Define "Drugs" according to Drugs and cosmetics Act. Write the constitution of "Drugs Technical Advisory Board". 6+10
3. What are qualifications for appointment as Drugs Inspector? Explain their duties and procedures. 2+6+8
4. Give a brief account of the followings: 4×4
- a) Labelling of patent and proprietary medicines
 - b) Retail sale of schedule 'X' Drugs
 - c) Storage of schedule 'H' drugs
 - d) Rules for stocking and disposal of drugs after the date of expiry
5. Write the short notes on the followings (any four): 4×4
- a) Pharmacist in relation to medical profession
 - b) Schedule "N"
 - c) The Drugs Consultative committee
 - d) Restricted Licences
 - e) The Central Register
6. a) Define narcotic Drugs.
b) Briefly explain the procedure for entry, search, seizure and arrest under the act.
c) Name authorities which are empower to do so. 2+8+6
7. a) What is meant by "warehousing of alcoholic preparation".
b) Discuss in brief the "prohibition of certain advertisement" under "Drugs and Magic Remedies Act".
c) Under what conditions can a pregnancy be terminated medically? 5+6+5

May 2017

PH-II/6

HOSPITAL & CLINICAL PHARMACY



Full Marks: 80

Time Allowed: 3 Hours

Answer any five questions.

Define the followings:

2×8

- a) Septicaemia
- b) AIDS
- c) Alkalosis
- d) Myocardial Infarction
- e) Epilepsy
- f) Bioavailability
- g) Adverse Drug Reaction
- h) Cerebrovascular accident

2. Discuss the Pathophysiology and symptoms of any two of the following:

8×2

- a) Renal failure
- b) Peptic Ulcer
- c) Angina

3. Write down the categories of Bio medical waste in Hospital. Explain the methods of bio medical hospital waste management.

6+10

4. What do you mean by Floor Stock System? Mention its Advantages and Disadvantages of Floor Stock System. Define Economic Order Quantity. Discuss about Quality Control of Hospital and Clinical pharmacy.

4+6+3+3

5. Write notes on the followings (any two):

2×8

- (a) Pharmacokinetics, (b) Pharmacy Therapeutic Committee, (c) Hospital Acquired infection

6. Define Bioavailability considering different Route of Drug Administration. Discuss about the Pharmacological Factors affecting Bioavailability. Discuss about Drug Dependence, Drug Tolerance and Drug Abuse with Proper Example.

4+6+2+2+2

7. Give the Clinical Significance of any four of the following:

4×4

- a) Serum K
- b) Coagulation time
- c) Platelet count
- d) PSA
- e) SGPT
- f) Serum Urea

8. Why Computers are Indispensable in Modern Pharmacy Practice. Briefly discuss about different Drug Interactions. Discuss about transfusion related reactions.

6+6+4