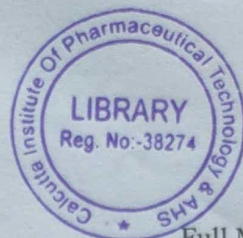


July 2022

PHARMACOLOGY AND TOXICOLOGY



PH II/3

Time Allowed: 3 hours

Full Marks: 80

Answer Question No. 1 and any FOUR from the rest

1. (a) Choose the correct alternative (Any Four): 4x2
- i. Example of beta-blocker is (warfarin/bisacodyl/propranolol/none).
 - ii. Treatment of peptic ulcer can be done with (pepsinogen/NSAIDs/PAS/bismuth sub-citrate).
 - iii. Codeine suppresses (reflex centre/vomiting centre/cough centre/sleep centre).
 - iv. Example of oral hypoglycaemic agent is (chlorpropamide/tolazamide/metformin/all).
 - v. Indomethacin is (Propionic acid derivative/Indole acetic acid derivative/Sedative/Anti-emetic).
- (b) Write TRUE/ FALSE against each of the following statement (Any Four): 4x2
- i. Acetylcholine is used in therapeutics.
 - ii. Aspirin is used in patients with peptic ulcer.
 - iii. Sulphur drug is not effective in pus.
 - iv. Famotidine is H1 receptor blocker.
 - v. Chloroform is good anaesthetic.
2. Define the following (Any Eight): 8x2
- | | |
|----------------------|--------------------|
| a. Bioavailability | f. Metabolism |
| b. Placebo | g. Euphoria |
| c. Therapeutic index | h. Tachycardia |
| d. Prodrug | i. Pharmacokinetic |
| e. Synergism | j. Antibiotic |
3. Write notes on: 4x4
- a. Distribution of drugs. b. Teratogenicity. c. Organophosphorus poisoning
d. Emergency Contraceptive Pills
4. Write down the treatment of the following (Any Four):
- | | |
|------------------------------|---------------------------|
| a) Treatment of Gout | d) Treatment of Glaucoma |
| b) Treatment of Peptic Ulcer | e) Treatment of Diarrhoea |
| c) Treatment of Tuberculosis | |
5. Write mechanism of action of the following drugs: 2x8
- a. Acetazolamide b. Captopril c. Diazepam d. Amoxicillin e. Verapamil f. Rifampicin g. Pantoprazole
h. Salbutamol
6. Write drug interaction between: a) Phenylbutazone with tolbutamide b) Probenecid with penicillin
c) Tetracycline with antacid d) Sodium bi carbonate with barbiturate. 4x4
7. a. Define and classify sulphonamides, Write notes on Co- trimoxazole.
b. Write notes on Fluoroquinolone derivatives.
c. Mention the toxic effects of anticancer drugs. (4+4) +6+2
8. Write notes on: 2x8
- a) Antifungal drugs
b) Antiviral drugs

July 2022

PHARMACUTICAL JURISPRUDENCE



PH-II/4

Time Allowed: 3 hours

Full Marks: 80

Answer Question No. 1 and any FOUR from the rest

1. Answer the following:

16x1

- i) Pharmacy council of India consists of _____ nominated member by the Central Govt.
- ii) The full form of DTAB is _____
- iii) No license is needed for sale of Ayurvedic drugs. (Correct/ Wrong).
- iv) Drug controllers need not hold qualification of Pharmacy. (Correct/ Wrong).
- v) All schedule C drugs should be tested for _____
- vi) DPCO stands for _____.
- vii) The minimum age for registration as Pharmacist is _____.
- viii) Ganja and Charas are the derivatives of _____.
- ix) GMP for Ayurvedic, Siddha and Unani medicine come under Schedule _____.
- x) Drug marketed under generic name only come under Schedule _____.
- xi) A twenty-week pregnancy can be terminated with the consent of at least _____ RMPs.
- xii) Repacking of drugs should be carried out under the supervision of _____.
- xiii) The elected and nominated members of the PCI can hold office for a period of _____ years.
- xiv) Insulin injection comes under schedule _____.
- xv) Drug and Magic Remedies (Objectionable Advertisement) Act was passed in _____.
- xvi) Drug sample taken by drug inspector for analysis are sending to _____.

2. Answer the followings:

8X 2

- a) What do you mean by Cool place?
- b) What are the minimum qualifications for appointment as a Drug Inspectors?
- c) What are the minimum qualifications for appointment as a Govt. Analyst?
- d) What is the main objectives of Pharmacy Act?
- e) What do you mean schedule J?
- f) What do you mean schedule G?
- g) Define Cosmetics.
- h) Write down the functions of PCI.

3. Answer the followings:

4 X 4


- | | |
|--|--------------------|
| i) Functions of the State Pharmacy Council | ii) DTAB |
| iii) Central Drug Laboratory (CDL) | iv) Magic Remedies |

4. a) Who is the person eligible for termination of pregnancy?

b) State the condition for termination of a pregnancy of more than 12 weeks but does not exceed 20 weeks.

c) Mention the permitted place for abortion as per MTP 1971.

(2+9+5)


HOSPITAL AND CLINICAL PHARMACY

Time Allowed: 3 Hours

Full Marks: 80

Answer Q. No. 1 and any four questions.

1. A. Fill in the blanks (any eight): 1×8
 - a) Normal fasting blood sugar levels ranging from _____.
 - b) A 200 Beds hospital requires _____ pharmacists.
 - c) GMP indicates _____.
 - d) Full name of MRI is _____.
 - e) TPN stands for _____.
 - f) Normal value of serum triglycerides is _____.
 - g) The full form of QC/QA are _____.
 - h) Thrombocytopenia is _____.
 - i) Tegaderm HP is an example of _____.
 - j) Rheumatoid arthritis is a _____ disease.

- B. Define any four of the followings: 2×4
 - a) Bioavailability
 - b) ADR
 - c) Hospital Pharmacy
 - d) Plasma half -life and AUC
 - e) First-pass metabolism

2. Define hospital. Describe the functions of hospital pharmacy. Briefly discuss Drug Distribution System (DDS) for IPD 2+6+8

3. Discuss the pathophysiology and symptoms of the any two of the followings: (i) Hepatitis (ii) Epilepsy (iii) Rheumatoid arthritis. Describe different types of drug induced haematological disorders. (2×6)+4

4. Define Pharmacy Therapeutic Committee. Write the composition of Pharmacy Therapeutic Committee. Describe the role of PTC in drug safety. Write a note on Bed-side Pharmacy 2+4+6+4

5. (a) Describe the source of poisoning, symptoms & treatments of the following: 3×4
 - (i) Narcotic Poisoning (ii) Organophosphorus poisoning (iii) Mercury Poisoning (iv) Arsenic poisoning
 - (b) Differentiate between (i) drug abuse & drug dependence (ii) Sign & symptoms 2×2

6. (a) Define drug-drug interaction and drug-food interaction with example. 2+2
 - (b) Mention the mechanism and possible clinical significance of the following drug combination (answer any three) – (a) Rifampicin – Oral contraceptive (b) Antacid – Ofloxacin
 - (c) Digitalis-calcium salts (d) Salicylates-methotrexate (e) Spironolactone-potassium chloride.

7. Discuss briefly any two of the following: 3×4
 - a) Factors affecting bioavailability
 - b) Computer application in Pharmacy 2×8
 - c) Layout of a Sterile Manufacturing Area