

Part - II (R/S) Examination - August 2022

Betep
30488

[Time : 3 hours

22081

Pharmaceutical - II

(Maximum marks : 80)

- [Note :— 1. Answer any *eight* questions.
2. All questions carry equal marks.
3. Draw diagrams wherever necessary.]

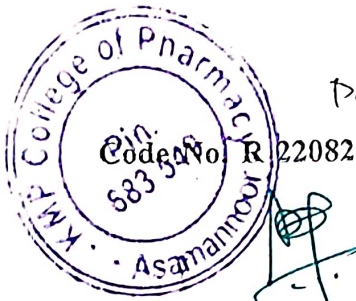
Marks

- ✓ 1. (a) Explain the terms Prescription, Superscription, Subscription and Inscription.
(b) Briefly describe the handling of prescription. (5+5=10)
- ✓ 2. (a) Describe the different types of physical incompatibilities.
(b) Enumerate the various factors which influence the dose of a drug. (5+5=10)
3. (a) Give the metric equivalent of
(i) 1 fluid ounce (ii) 1 grain (iii) 1 pound
(iv) 1 quart (v) 1 minim
(b) Give the meanings of
(i) ana (ii) fiat (iii) unus
(iv) unguentum (v) gutta (5+5=10)
- ✓ 4. (a) Define a powder. Explain the dispensing of potent drugs as powders.
(b) Write a note on Seidlitz powder. (5+5=10)
- ✓ 5. (a) What are mixtures ? Classify different types of mixtures with examples.
(b) Write a brief note on syrups. (5+5=10)
- ✓ 6. (a) What are flocculated suspensions ? How do they differ from deflocculated suspensions ?
(b) Write a note on thickening agents and wetting agents used in suspensions ? (5+5=10)
- ✓ 7. (a) Write briefly on the preparation of emulsions by dry gum and wet gum methods.
(b) Briefly explain the term displacement value. What is the importance of calibration of suppository moulds ? (5+5=10)
- ✓ 8. (a) What are parenteral preparations ? Mention its advantages and disadvantages.
(b) Write in brief about the processing and preparation of large volume parenterals. (5+5=10)



9. (a) What are the requirements of an ideal ointment base? Describe the disadvantages of hydrocarbon ointment bases. (5+5=10)
- (b) Give the method of preparation of non-staining Iodine ointment. (5+5=10)
10. Write notes on (a) Face powders (b) Eye ointments (5+5=10)

2 1/2



Part - II (R/S) Examination - August 2022

Pharmaceutical Chemistry - II

[Time : 3 hours

(Maximum marks : 80)

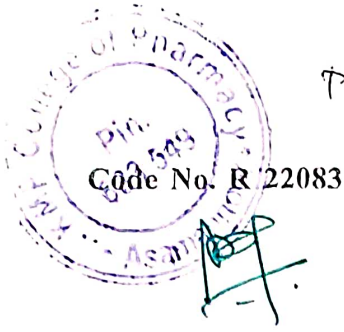
- [Note :- 1. Answer any eight questions.
2. All questions carry equal marks.
3. Draw diagrams wherever necessary.]

30488

Retain

Marks

1. (a) Classify antibiotics based on chemical structure, giving examples.
(b) Explain with examples (i) Narcotic analgesics (ii) Antifungal agents (5+5=10)
2. (a) What are NSAIDs ? Classify giving examples. Write the structure of Indomethacin.
(b) Write a note on anticonvulsants. (5+5=10)
3. (a) Define and classify antihistamines. Write the structure of Chlorpheniramine.
(b) Write a note on insulin and its preparations. (5+5=10)
4. (a) Write the chemical structure of the following drugs.
(i) Aspirin (ii) Paracetamol (iii) DEC (iv) Dapsone (v) Sulphacetamide
(b) Write a short note on coagulants and anticoagulants. (5+5=10)
5. (a) Write a note on antimalarial drugs. Write the structure of Chloroquine.
(b) Write notes on oral hypoglycaemic agents. (5+5=10)
6. (a) Write the structure and uses of Procaine and Thyroxine.
(b) What are analeptics ? Explain with two examples. (5+5=10)
7. (a) Write short notes on (i) Cardiac glycosides (ii) Vitamins
(b) Explain Diagnostic agents with two examples. (5+5=10)
8. (a) Write therapeutic uses of Cholinergic antagonists. Give the structure of Atropine.
(b) Classify antihypertensive drugs giving examples. (5+5=10)
9. (a) Give an account on diuretic drugs with examples. Write the structure of Furosemide.
(b) Write the structure and name the heterocyclic ring present in the following drugs.
(i) Isoniazid (ii) Metronidazole (5+5=10)
10. (a) Classify antineoplastic drugs with examples.
(b) Write a note on general anaesthetics. (5+5=10)



Part - II (R/S) Examination - August 2022

Pharmacology & Toxicology

[Time : 3 hours

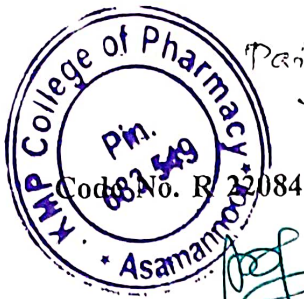
(Maximum marks : 80)

- [Note:— 1. Answer any *eight* questions.
2. All questions carry equal marks.
3. Draw diagrams wherever necessary.]

30488
Betbet

Marks

- ✓ 1. Write briefly on :
(a) Parenteral routes of administration of drugs (b) Drug dependence (5+5=10)
- ✓ 2. Give the names, therapeutic uses and adverse effects of drugs belonging to :
(a) Calcium channel blockers (b) Diuretics (5+5=10)
- ✓ 3. Write notes on :
(a) Contraceptive drugs (b) Broad spectrum antibiotics (5+5=10)
- ✓ 4. (a) Classify and enumerate NSAIDs.
(b) Describe the therapeutic uses and adverse effects of corticosteroids. (5+5=10)
- ✓ 5. (a) Name the category to which the following drugs belong :
(i) Nalorphine (ii) Haloperidol (iii) Griseofulvin
(iv) Phenytoin (v) Dimercaprol
(b) Classify and enumerate anti-cancer drugs. (5+5=10)
6. Write on : (a) Benzodiazepines (b) Enema (5+5=10)
- ✓ 7. (a) Classify Antihistamines. Write their therapeutic uses and adverse effects.
(b) Write on anticoagulants. (5+5=10)
- ✓ 8. (a) Describe the pharmacology of Acetyl choline.
(b) Give a note on drugs used in peptic ulcer disease. (5+5=10)
- ✓ 9. (a) What are the factors affecting bioavailability of drugs ?
(b) Write on insulin preparations. (5+5=10)
10. (a) Mention the therapeutic uses and dose of Adrenaline.
(b) Describe the chemotherapy of tuberculosis. (5+5=10)



Part - II (R/S) Examination - August 2022

Pharmaceutical Jurisprudence

(Maximum marks : 80)

[Time : 3 hours

30481

Betsey

- [Note :— 1. Answer any eight questions.
2. All questions carry equal marks.]

Marks

1. (a) Define the following :

- (i) Registered Pharmacist (ii) Spurious Drug
(iii) Prepared opium (iv) Cosmetics

(b) Write a note on Repackaging licence. (5+5=10)

2. (a) Describe the constitution and functions of State Pharmacy Council.

(b) Explain the term Code of Pharmaceutical Ethics. (5+5=10)

3. (a) How the retail prices of formulation are calculated under Drug Price Control Order ?

(b) Explain the duties and responsibilities of Government Analyst. (5+5=10)

4. (a) How are the import, possession and sale of poisons regulated under the Poisons Act ?

(b) Write a note on constitution and functions of DTAB. (5+5=10)

5. (a) What types of advertisements are prohibited under Drugs and Magic Remedies Act ?

(b) Discuss about the labelling requirements of Schedule C & C1 drugs. (5+5=10)

6. (a) Discuss the operations which are controlled by Central Government in NDPS Act & Rules.

(b) Describe the layout and construction of bonded laboratory. (5+5=10)

7. (a) Describe the procedure for removal of a name from the Register of Pharmacists.

(b) Write notes on Drugs Enquiry committee. (5+5=10)

8. (a) Explain the circumstances under which pregnancy may be terminated by an RMP.

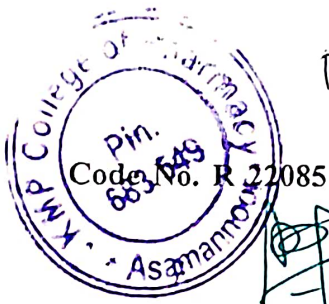
(b) Write a note on Schedule N. (5+5=10)

9. (a) Write notes on export of Alcoholic preparations.

(b) State the offences and penalties relating to Import and Export of Narcotic Drugs & Psychotropic Substances. (5+5=10)

10. (a) How the drugs which crossed their expiry dates are disposed ?

(b) Explain about import, manufacture and sale of cosmetics. (5+5=10)



Part - II (R/c) Examination - August 2022

Drug Store & Business Management

[Time : 3 hours]

(Maximum marks : 80)

- [Note:— 1. Answer any eight questions.
2. All questions carry equal marks.]

30488

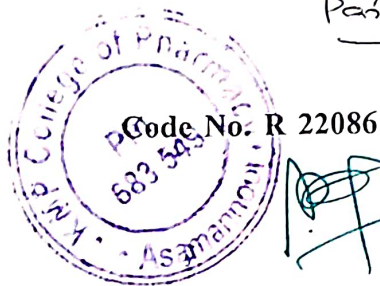
Betser

Marks

- ✓ 1. (a) Define the following : -
(i) Trade (ii) Management (iii) Bank (iv) EOQ
(b) Discuss about various types of aids to trade. (5+5=10)
- ✓ 2. (a) Write about consumer co-operative stores. Mention its advantages and disadvantages.
(b) Define the term retailer. Describe the functions of retailers. (5+5=10)
- ✓ ③ (a) Define Finance. Discuss in detail sources of Finance.
(b) Describe perpetual inventory system. What are the advantages of this system ? (5+5=10)
- ✓ 4. (a) Discuss the advantages and disadvantages of Joint stock company.
(b) Discuss the stages of purchasing procedure. (5+5=10)
- ⑤ (a) What is meant by accounting concepts ? Explain cost concept and accounting period concept.
(b) Discuss the principle, advantages and disadvantages of double entry book keeping. (5+5=10)
- ⑥ (a) Define Trial Balance. Discuss the methods of preparation of Trial Balance.
(b) Explain the errors that are not disclosed by a Trial Balance. (5+5=10)
- ✓ 7. (a) Define the term 'Budget'. Write the advantages and limitations of budget.
(b) Discuss the various techniques of sales promotion. (5+5=10)
- ✓ 8. (a) What is meant by selection ? Discuss steps involved in the selection of an employee.
(b) Differentiate journal and ledger. (5+5=10)
- ✓ 9. (a) Define the term 'Industry'. Discuss different classifications of Industry.
(b) Discuss the various methods used for advertising pharmaceutical products. (5+5=10)

- ✓ (10) (a) Explain the following : (i) Maximum stock level (ii) Scrap and Surplus
(b) Enter the following transactions in the journal of J. J. Medicals for the month of March 2021.

March 2021	₹	
1 Started business with cash	1,00,000	
2 Paid into bank	30,000	
5 Purchased medicines for cash	15,000	
10 Purchased furniture and paid by cheque	6,000	
18 Cash sales	20,000	
20 Sold goods to Rajesh on credit	12,000	
22 Withdrew from bank for personal use	5,000	
25 Cash received from Rajesh	8,000	
30 Paid rent for the month	9,000	(5+5=10)



[Time : 3 hours

(Maximum marks : 80)

- [Note :— 1. Answer any *eight* questions.
2. All questions carry equal marks.]

Marks

1. (a) Define hospital formulary. Write the content and preparation of hospital formulary.
(b) Discuss the various functions of hospitals, How hospitals are classified ? (5+5=10)
2. (a) Explain Floor ward stock system of drug distribution.
(b) Write short notes on unit dose drug distribution system. (5+5 =10)
3. (a) Explain the layout of sterile product area for manufacturing sterile products.
(b) Define drug information service. Discuss the resources of drug information. (5+5=10)
4. (a) Define hospital pharmacy. Explain the objective and functions of hospital pharmacy.
(b) Write short notes central sterile services. (5+5=10)
5. (a) Explain the role of PTC in safe use of drugs.
(b) What are the applications of computers in hospital pharmacy ? (5+5=10)
6. (a) Define clinical pharmacy. Enumerate the duties of clinical pharmacist.
(b) Write the symptoms and pathophysiology of Diabetes mellitus and Peptic ulcer. (5+5=10)
7. (a) Write the normal value and physiological role of
(i) Serum bilirubin (ii) SGPT
(b) Define patient counselling. Explain different steps in patient counselling. (5+5=10)
8. (a) Enumerate the factors which predispose an individual to an ADR.
(b) Discuss the treatment of morphine poisoning. (5+5=10)
9. (a) Define and classify drug interaction. Explain pharmacodynamic interaction with examples.
(b) Write short notes on teratogenicity. (5+5=10)
10. (a) What are the factors affecting bioavailability.
(b) Write quality control test for absorbent cotton IP. (5+5=10)