



ER91-PH-201

2212

BOARD DIPLOMA EXAMINATION, (ER-91)

MARCH/APRIL—2021

DPH – SECOND YEAR EXAMINATION

PHARMACEUTICS - II

Time : 3 hours]

[Total Marks : 80

PART—A

4×5=20

- Instructions :**
- (1) Answer *any* **five** questions.
 - (2) Each question carries **four** marks.
 - (3) Answers should be brief and straight to the point and shall not exceed five simple sentences.

1. Differentiate flocculated and deflocculated suspensions.
2. Write brief note on jellies.
3. What are eutectic mixtures?
4. What are the uses of latin terms in prescription writing?
5. Write in brief about Lotions and Liniments.
6. What are pyrogens?
7. Write brief note on eye ointments.
8. What are the ideal properties of Ophthalmic preparations?
9. Write short note on tablet triturates.
10. What are ointments? Mention its advantages.

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PART—B

15×4=60

- Instructions :** (1) Answer *any four* questions.
(2) Each question carries **fifteen** marks.
(3) Answers should be comprehensive and the criterion for valuation is the content but not the length of the answer.

11. Define the term Posology. Mention the different factors to be considered while adjusting the dose.
12. Define the term 'Prescription'. Explain the different parts of prescription.
13. What are emulsions? Write the identification of tests for emulsion.
14. What are Pharmaceutical powders? Explain about effervescent granules.
15. What are suppositories? Explain the different suppository bases.
16. What are parenteral preparations? Explain the additives used for parenteral preparations.
17. Define the term cosmetics. Explain about shampoos?
18. Classify various monophasic liquid dosage forms and discuss about liquid dosage forms meant for external use.

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BOARD DIPLOMA EXAMINATION, (ER-91)

MARCH/APRIL—2021

DPH—SECOND YEAR EXAMINATION

PHARMACEUTICAL CHEMISTRY - II

Time : 3 hours]

[Total Marks : 80

PART—A

4×5=20

- Instructions :** (1) Answer *any* **five** questions.
(2) Each question carries **four** marks.
(3) Answers should be brief and straight to the point and shall not exceed five simple sentences.

1. Define antiseptics and disinfectants with examples.
2. Write the properties and uses of sulphacetamide.
3. Define anti-leprotic agents. Classify them.
4. Write the properties and uses of diethylcarbamazine citrate.
5. What are antibiotics? Write any four examples.
6. What are diagnostic agents? Give any four examples.
7. What are tranquilizers? Write examples.
8. Write about insulin and its preparations.
9. Write the uses of vitamin K and vitamin B₆.
10. Define antithyroid drugs with examples.

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PART—B

15×4=60

- Instructions :** (1) Answer *any four* questions.
(2) Each question carries **fifteen** marks.
(3) Answers should be comprehensive and the criterion for valuation is the content but not the length of the answer.

11. Define and classify anti-malarials with examples. Write the properties and uses of any two anti-malarial drugs.
12. Define and classify sedatives and hypnotics with examples. Write the properties and uses of the following :
 - (a) Phenobarbitone
 - (b) Glutethimide
13. Define and classify antihistamines with examples. Write the properties and uses of the following :
 - (a) Diphenhydramine
 - (b) Chlorphenamine
14. Define and classify nonsteroidal anti-inflammatory agents with examples. Write the properties and uses of the following :
 - (a) Indomethacin
 - (b) Phenylbutazone
15. What are cardiovascular agents? Classify with examples. Write the properties, uses and official preparations of Propranolol.
16. What are vitamins? Classify them with examples. Write the properties, uses and storage conditions of (a) Vitamin C and (b) Vitamin B₁₂.
17. Define and classify local anaesthetics with examples. Write the properties, uses and storage conditions of (a) Lignocaine and (b) Procaine.
18. What are anticonvulsants? Classify them. Write the properties, uses and official preparations of any two anticonvulsant drugs.

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BOARD DIPLOMA EXAMINATION, (ER-91)

MARCH/APRIL—2021

DPH—SECOND YEAR EXAMINATION

PHARMACOLOGY AND TOXICOLOGY

Time : 3 hours]

[Total Marks : 80

PART—A

4×5=20

- Instructions :** (1) Answer *any* **five** questions.
(2) Each question carries **four** marks.
(3) Answers should be brief and straight to the point and shall not exceed five simple sentences.

1. Define pharmacodynamics and pharmacokinetics.
2. Classify various routes of drug administration.
3. Define biotransformation of drug. Write the methods of biotransformation.
4. What is myasthenia gravis? Write its treatment.
5. Write the factors affecting the absorption of the drug.
6. What are antidepressants? Classify with examples.
7. Write the classification of neuromuscular blocking agents.
8. Write the classification of drugs used to treat cough.
9. Write about oral contraceptives.
10. What is Parkinson's disease? Write the drugs used for its treatment.

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PART—B

3 X 20=60

- Instructions :** (1) Answer *any* **THREE** questions.
(2) Each question carries **20** marks.
(3) Answers should be comprehensive and criterion for valuation is the content but not the length of the answer.

- 11.** What are opioid analgesics? Classify with example. Write the pharmacological actions, adverse drug reactions and therapeutic uses of morphine.
- 12.** What are general anaesthetics? Classify with examples. Write the pharmacological actions, adverse drug reactions and therapeutic uses of halothane.
- 13.** What are antihypertensives? Classify with examples. Write the pharmacological actions, adverse drug reactions and therapeutic uses of any one drug.
- 14.** Write short notes on the following :
 - (a) Blood substitutes and plasma expanders
 - (b) Antihistamines
- 15.** What are anti-TB drugs? Classify with examples. Write the chemotherapy of TB.
- 16.** What are antimalarials? Classify with examples. Write the pharmacological actions, adverse drug reactions and therapeutic uses of chloroquine.
- 17.** Write short notes on the following :
 - (a) Psycho pharmacological agents
 - (b) Heavy metal antagonist
- 18.** Write about the following :
 - (a) Anticoagulants
 - (b) Iron deficiency anaemia

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BOARD DIPLOMA EXAMINATION, (ER-91)

MARCH/APRIL—2021

DPH—SECOND YEAR EXAMINATION

PHARMACEUTICAL JURISPRUDENCE

Time : 3 Hours]

[Total Marks : 80

PART—A

4×5= 20

Instructions : (1) Answer **any five** questions.
(2) Each question carries four marks.
(3) Answers should be brief and straight to the point and shall not exceed five simple sentences.

1. Define Schedule 'H' and Schedule 'J'.
2. List out different licenses for manufacture of drugs under Drugs and Cosmetics Act, 1940.
3. State the Ex-officio members of PCI.
4. Define wholesale and retail sale.
5. How retail price of formulation is calculated under DPCO, 1995?
6. Define the following :
(a) Drugs store (b) Pharmacy
7. Write the circumstances for termination of pregnancies by registered medical practitioner under MTP Act, 1971.
8. Define poison. Give the role of state government in regulation of poisons under Poisons Act, 1919.
9. Give a model label for package of 100 capsules of amoxicillin chewable 250 mg under Drugs and Cosmetics Act, 1940.
10. Write the offences and penalties under Medical Termination of Pregnancy Act, 1971.

PART—B

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- Instructions :** (1) Answer *any* FOUR questions. 4×15=60
(2) Each question carries twenty marks.
(3) Answers should be comprehensive and criterion for valuation is the content but not the length of the answer.

11. Explain the following under Drugs and Cosmetics Act, 1940 :
 - (a) Government Analyst
 - (b) Loan License
 - (c) Central Drug Laboratory
12. Define ethics. Discuss the role of pharmacist in relation to trade and job.
13. Explain the constitution and functions of DTAB under Drugs and Cosmetics Act, 1940.
14. Explain the constitution and functions of Pharmacy Council of India (PCI) as per Pharmacy Act, 1948.
15. Explain the qualifications, powers and duties of Drug Inspector under Drugs and Cosmetics Act, 1940.
16. Explain the operations controlled by central and state governments under Narcotic Drugs and Psychotropic Substances Act, 1985.
17. Explain construction of non-bonded laboratory. Explain the steps for manufacture of alcoholic formulations in non-bonded laboratory.
18. Explain the classes of exempted advertisement, prohibited advertisement and offences and penalties under Drugs and Magic Remedies Act, 1954.

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BOARD DIPLOMA EXAMINATION, (ER-91)

MARCH/APRIL—2021

DPH—SECOND YEAR EXAMINATION

DRUG STORE AND BUSINESS MANAGEMENT

Time : 3 hours]

[Total Marks : 80

PART—A

4×5=20

Instructions : (1) Answer *any* **five** questions.

(2) Each question carries **four** marks.

(3) Answers should be brief and straight to the point and shall not exceed five simple sentences.

1. Define the term Partnership and list out the types of Partners.
2. Define the term Trade and classify Trade.
3. Define the term wholesaler. Mention types of wholesaler.
4. Define the term Mail Order Business. Mention the types of Mail Order business.
5. Write the minimum qualification and minimum area required to open a retail drug store.
6. Define the term Tender. Mention the types of Tender.
7. Write the formula to calculate Retail Price of Drug formulation.
8. Define the term Input Output Ratio. Mention its importance.
9. Define the term Bank. Name the various types of Bank in India.
- * 10. Define the term Trial Balance. Mention the objectives of Trial Balance.

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- Instructions :** (1) Answer *any four* questions.
(2) Each question carries **fifteen** marks.
(3) Answers should be comprehensive and the criterion for valuation is the content but not the length of the answer.

- 11.** Explain the term Partnership business. Describe the various kinds of partners in this partnership business organization.
- 12.** Define the term Retailer. Discuss classification and functions of Retailer.
- 13.** Discuss the various legal requirements to be fulfilled to open a retail Drugstore.
- 14.** Define the term Codification. Discuss the various methods of Codification of items in a Retail drugstore and write its advantages.
- 15.** Define the term inventory control. Write the different techniques used to control the inventories. Describe in detail about EOQ.
- 16.** Define the term Accounting concepts. Discuss the various concepts in accounting.
- 17.** List out the various books of original entry. Discuss the detail about various types of cash books.
- 18.** Define the term financial analysis. Mention various methods used to analyze financial statements. Explain about liquidity ratios.

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BOARD DIPLOMA EXAMINATION, (ER-91)

MARCH/APRIL—2021

DPH—SECOND YEAR EXAMINATION

HOSPITAL AND CLINICAL PHARMACY

Time : 3 hours]

[Total Marks : 80

PART—A

4×5=20

- Instructions :** (1) Answer *any* **five** questions.
(2) Each question carries **four** marks.
(3) Answers should be brief and straight to the point and shall not exceed five simple sentences.

1. List out the function of a hospital.
2. Write any three duties of pharmacist in hospital.
3. Write a short note on bed side pharmacy.
4. Define general out-patient and referred out-patient.
5. Define unit dose dispensing system.
6. List out the names of various heart diseases.
7. Define antidotes and mention the types of antidotes.
8. Define bioavailability and bioequivalence.
9. List out various types of hepatitis.
10. What is meant by ESR?

- Instructions :** (1) Answer *any* **four** questions.
(2) Each question carries **fifteen** marks.
(3) Answers should be comprehensive and the criterion for valuation is the content but not the length of the answer.

- 11.** Define hospital pharmacy and write its objectives.
- 12.** Write about pharmaceutical and physiological factors affecting bioavailability.
- 13.** Write an account on layout of sterile product area.
- 14.** Describe in detail about purchase procedure in hospitals.
- 15.** Write about pathophysiology, signs and symptoms of Rheumatoid arthritis.
- 16.** Write a note on steps involved in general treatment of poisoning.
- 17.** Give an account on classification of hospitals.
- 18.** Define pharmacy and therapeutic committee and write its functions.

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