

171712 - PH - 029

*

ER-91-PH-201

2212

BOARD DIPLOMA EXAMINATION, (ER-91)

MARCH/APRIL - 2019

DPH - SECOND YEAR EXAMINATION

PHARMACEUTICS-II

Time: 3 Hours

Max. Marks: 80

PART-A

3x10=30M

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

- 1) Differentiate between lotions and liniments. $1\frac{1}{2}+1\frac{1}{2}$
- 2) Write about $1\frac{1}{2}+1\frac{1}{2}$
- a) Adjusted incompatibility
- b) Tolerated incompatibility
- 3) What are mixtures? Classify different types of mixtures. $1\frac{1}{2}+1\frac{1}{2}$
- 4) Define the term Douches. Write about the importance of Douches. 3
- 5) Write the differences between ointment and paste. 3
- 6) Define the following: $1\frac{1}{2}+1\frac{1}{2}$
- a) Insufflation b) Dentifrices
- 7) What are the requirements of face powder?
- 8) Write about: $1\frac{1}{2}+1\frac{1}{2}$
- a) Pyrogens b) Water for Injection
- 9) Why the soft paraffin is not used in the preparation of eye ointment base? 3
- 10) Define the 'Cream'. Mention different types of creams. $1+2$

PART-B

5x10=50M

*

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

- 11) Define the term 'Posology'. Describe the various factors affecting the dose of a drug. 2+8
- 12) Write about 5+5
a) Effervescent granules b) Eutectic mixures
- 13) Define the term 'Suspension'. Explain different additives used in the preparation of suspensions. 2+8
- 14) Write about the following 3+3+4
a) Creaming b) Cracking c) Phase inversion
- 15) Define the term 'ointment'. What are the factors to be considered before selecting appropriate ointment base? 2+8
- 16) Define the term 'Prescription'. Describe in brief various parts of the prescription. 2+8
- 17) Write the evaluation tests of parenteral products. 10
- 18) What is physical incompatibility? What are the reasons? Explain the incompatibility involved and suggest method to correct the following prescription. 2+2+6

R_x

Menthol	... 5.0g
Camphor	... 5.0g
Ammonium chloride	... 30.0g
Light magnesium carbonate	... 60.0g
Make an insufflation	

* * *

*

*

2213

BOARD DIPLOMA EXAMINATION, (ER-91)

MARCH/APRIL – 2019

DPH - SECOND YEAR EXAMINATION

PHARMACEUTICAL CHEMISTRY-II

Time: 3 Hours][Total marks:80

PART-A

10x3=30M

Instructions: 1) Answer **all** questions.2) Each question carries **three** marks.

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

- 1) Write the structures of the following: i) Imidazole ii) Acridine iii) Oxazole. 1+1+1M
- 2) Write the structure, properties and uses of Xylocaine . 3M
- 3) Define and classify Hypoglycemic agents with examples. 1+2M
- 4) Define Antileprotic agents. Give one example with its structures. 1+2M
- 5) Write structure, properties and uses of Propranolol. 1+2M
- 6) Define Antineoplastic agents. Give four examples. 1+2M
- 7) Write the structure, properties and uses of Chlorpromazine. 3M
- 8) Write a note on Warfarin sodium. 3M
- 9) Define Antifungal agents. Give four examples. 1+2M
- 10) Write the structure, properties and uses of Metronidazole. 3M

[Contd...



PART-B

5x10=50M

Instructions: 1) Answer any **five** questions.
2) Each question carries **ten** marks.
3) Answer should be comprehensive and the criteria for valuation is the content but not the length of the answer.

- 11) Define Antiseptics and Disinfectants. Classify them. Write the structure, nomenclature, properties, uses, official preparations and brand names of Chlorocresol. 2+3+5M *Contra All 2*
- 12) Define Non-Steroidal Anti-inflammatory Drugs. Classify them. Write the structure, nomenclature, properties and uses of a) Indomethacin b) Phenylbutazone. 1+3+3+3M
- 13) Write the structure and nomenclature of a) Paracetamol b) Ampicillin c) Sulphacetamide d) Chlorpheniramine e) Atropine. 2*5M
- 14) Define General anaesthetics. Classify them. Write the Structure, nomenclature, properties, storage conditions and uses of a) Halothane b) Diethyl ether. 2+2+3++3M *fluo H₂O*
- 15) Define Anti-tubercular Drugs. Classify them. Write the Structure, nomenclature, properties and uses of a) PAS b) INH. 1+3+3+3M
- 16) Define and classify Hypnotics and Sedatives. Write the structure, nomenclature, properties, uses, official preparations and brand names of Diazepam. 2+3+5M
- 17) a) Define and classify Antidepressant drugs. Write the structure and nomenclature of any one drug. 1+2+2M
b) Define Antihypertensive agents. Give four examples. Write the structure and nomenclature of any one drug. 1+2+2M
- 18) Define Diuretics. Classify them. Write the structure, nomenclature, properties and uses of a) Hydrochlorothiazide b) Furosemide. 1+3+3+3M

* * *

2214

BOARD DIPLOMA EXAMINATION, (ER-91)

MARCH/APRIL – 2019

DPH - SECOND YEAR EXAMINATION

PHARMACOLOGY & TOXICOLOGY

Time: 3 Hours

Max. Marks: 80

PART-A

3x10=30M

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

- 1) Define anxiety and classify the drugs used to treat anxiety. 1+2
- 2) Define Disinfectants and Antiseptics. Write two examples for each. 1½+1½
- 3) Define First Pass metabolism. 3
- 4) Define Myasthenia Gravis. Name the drugs used in the treatment of Myasthenia Gravis 2+1
- 5) What is Glaucoma? Name the drugs used in the treatment of Glaucoma. 2+1
- 6) Write the mechanism of action of co-trimoxazole. 3
- 7) Write the pharmacological actions of Serotonin. 3
- 8) Define Anticoagulants. Write classification of drugs used as anticoagulants. 1+2
- 9) Define a) Idiosyncrasy
 b) Teratogenicity 1½+1½
- 10) Write the classification of Anti-rheumatic drugs. 3

PART-B

5x10=50M

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

- 11) Classify Routes of administration and write the advantages and disadvantages of Parenteral route 2+4+4
- 12) Write a note on a) Anti-tubercular drugs 5+5
b) Anti-leprotics
- 13) Define Diuretics. Classify with examples. Write the mechanism of action, pharmacological actions, adverse effects and uses of Furosemide. 2+2+6
- 14) Define Diabetes mellitus. Write a short note on Oral Hypoglycemic drugs. 2+8
- 15) Write a short note on a) Anti-arrhythmics 7+3
b) Cardiotonics
- 16) Classify the drugs used in treatment of Peptic ulcers. Write the mechanism of action, pharmacological actions, adverse effects and uses of Omeprazole. 4+6
- 17) What are Sympathomimetics? Classify with examples. Write the pharmacological actions, adverse effects and therapeutic uses of adrenaline. 2+2+6
- 18) What are narcotic analgesics? Write pharmacological actions, adverse effects and uses of morphine. 2+8

* * *

2215**BOARD DIPLOMA EXAMINATION, (ER-91)****MARCH/APRIL – 2019****DPH - SECOND YEAR EXAMINATION****PHARMACEUTICAL JURISPRUDENCE**

[Time: 3 Hours]

[Maxmarks:80]

PART-A**10x3=30M**

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

- 1) What is meant by professional code of Ethics? 3M
- 2) What are Educational Regulations as per the Pharmacy Act? 3M
- 3) How to calculate the retail price of Drug Formulations? 3M
- 4) Define Hemp and coca leaf. $1\frac{1}{2}+1\frac{1}{2}M$
- 5) Define cosmetics and drugs as per the D & C Act. $1\frac{1}{2}+1\frac{1}{2}M$
- 6) Define schedule 'P' and schedule 'M'. $1\frac{1}{2}+1\frac{1}{2}M$
- 7) Define 'pharmacy' and 'Adulterated drug' as per the drugs and cosmetics Act. $1\frac{1}{2}+1\frac{1}{2}M$
- 8) Write a note on DCC. (3)
- 9) What are the additional Labeling requirements for Insulin? (3)
- 10) Define the following $1\frac{1}{2}+1\frac{1}{2}$
 - a) Magic remedies
 - b) Advertisement

PART-B

5x10=50M

Instructions: 1) Answer any **five** questions.
2) Each question carries **ten** marks.
3) Answer should be comprehensive and the criteria for valuation is the content but not the length of the answer.

- 11) Explain the constitution and functions of State Pharmacy council as per pharmacy act 1948. 5+5M
- 12) Elucidate: a) Classes of Exempted Advertisements. 5+5M
b) Classes of Prohibited Advertisements as per the Act.
- 13) a) Describe the objectives, import, possession and sale of poisons under poisons Act, 1919. 5+5M
b) Give the Circumstances under which a RMP can terminate Pregnancy?
- 14) Explain the following as per D and C Act 1948.
a) Inspection Procedures by Drug Inspector
b) Government analyst. 5+5M
- 15) Explain the constitution and functions of DTAB. 10M
- 16) Write about the licensing and construction of Bonded laboratory? 4+6M
- 17) a) Define Narcotic Drugs and Psychotropic substances. 3+7M
b) Explain the powers of central and state governments to permit, control and regulate of Narcotic Drugs and Psychotropic substances.
- 18) a) Write the role of Pharmacist in relation to his Trade. 5+5M
b) Write the role of Pharmacist in relation to his medical Profession.

* * *

2216**BOARD DIPLOMA EXAMINATION, (ER-91)****MARCH/APRIL – 2019****DPH -SECOND YEAR EXAMINATION****DRUG STORE AND BUSINESS MANAGEMENT**[Time: 3 Hours][Max.Marks:80]**PART-A****10x3=30M**

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

- 1) Define the term Trade and classify Trade. 1+2M
- 2) Define the term Retail Departmental store. Mention four advantages of it? 1+2M
- 3) Write short notes on Mail Order Business. 3M
- 4) Define the term Tender. Mention the types of Tenders. 1+2M
- 5) Define the terms Re-order level and Danger level. 1½+1½M
- 6) Define the term Advertising. Write any four of its objectives. 1+2M
- 7) Define the term Training. Mention the types of training. 1+2M
- 8) Differentiate Fixed capital from Working capital. 3M
- 9) Write three differences between Book keeping and Accountancy. 3M
- 10) Define the term Budget. Write the classification of Budgets according to time factor. 1+2M

PART-B

5x10=50M

Instructions: 1) Answer any five questions.

2) Each question carries ten marks.

3) Answer should be comprehensive and the criteria for valuation is the content but not the length of the answer.

11) Define the term Business. Discuss the main features of Sole proprietor Business organisation with four advantages and disadvantages each.

2+6+2M

12) What are the different channels of distribution. Write the definition classification, features and any four advantages of wholesaler.

2+2+4+2M

13) Discuss the ideal Layout and legal formalities to be fulfilled to open a Retail Drug store.

4+6M

14) Define the term Inventory control. Mention the different techniques used to control the Inventories. Describe in detail about EOQ.

2+2+6M

15) a) Define the term Salesmanship. Write its advantages.

2+3M

b) Explain the steps involved in Selling process.

5M

16) What is Finance . Discuss different methods to raise the Finance for successful running of business.

2+8M

17) List out the various Books of Original Entry. Explain in detail about Journal.

2+8M

18) Enumerate the Financial statements. Explain in detail about Balance sheet.

3+7M

* * *

2217**BOARD DIPLOMA EXAMINATION, (ER-91)****MARCH/APRIL – 2019****DPH - SECOND YEAR EXAMINATION****HOSPITAL AND CLINICAL PHARMACY**

Time: 3 Hours]

[Max.Marks:80

PART-A**10x3=30M****Instructions:** 1) Answer all questions.

2) Each question carries three marks.

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

- | | |
|---|--------|
| 1) Write about elite hospitals. | 3M |
| 2) Give the duties of a hospital pharmacist. | 3M |
| 3) Write briefly about satellite pharmacy services. | 3M |
| 4) Define poison. How are they classified? | 1+2M |
| 5) What are the qualities required for a pharmacist to run the DIC. | 3M |
| 6) What is the significance of ESR? | 3M |
| 7) What are the requirements of a sterile product? | 3M |
| 8) Write the signs and symptoms of Angina pectoris. | 3M |
| 9) Define a) Outpatient b) Ambulatory patient. | 1½+1½M |
| 10) How do you treat insecticide poisoning? | 3M |

[Contd..

PART-B

5x10=50M

Instructions: 1) Answer any five questions.

2) Each question carries ten marks.

3) Answer should be comprehensive and the criteria for valuation is the content but not the length of the answer.

- 11) a) Write about location and layout of Hospital Pharmaceutical services. 5+5M
b) Write about location and layout of Central sterile service department.
- 12) What are the requirements of Non sterile manufacturing ? Write about facilities required for manufacturing of emulsions. 7+3M
- 13) Describe the procurement procedure of drugs and other supplies in a hospital. 10M
- 14) What is PTC? Write its functions and its role in drug safety. 2+5+3M
- 15) What is adverse drug reaction? What are the reasons for adverse drug reactions? Mention the drug induced Ototoxic adverse drug reaction. 2+3+5M
- 16) Write the path physiology, signs and symptoms of : 5+5M
a) Hypertension
b) Peptic ulcer.
- 17) What is bioavailability? Describe the various factors affecting bioavailability. 2+8M
- 18) Explain the computer applications in Pharmacy. 10M

* * *