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ER-91-PH-201

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BOARD DIPLOMA EXAMINATION, (ER-91)

SEPTEMBER/OCTOBER—2020

DPH— SECOND YEAR EXAMINATION

PHARMACEUTICS—II

Time : 3 hours]

[Total Marks : 80

PART—A

3×10=30

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

1. Write Young's formula and Dilling's formula to calculate children dose. $1\frac{1}{2}+1\frac{1}{2}=3$

2. Define the following : $1\frac{1}{2}\times 2=3$

(a) Hygroscopic powder

(b) Deliquescent powder

 $1\frac{1}{2}\times 2=3$

(a) Syrups

(b) Elixirs

4. Differentiate between lotions and liniments.

5. Differentiate between flocculated and deflocculated suspension.

6. What is displacement value? Write its importance. $2+1=3$

7. Write the ideal characteristics of parenteral dosage form.

8. Define cosmetics and classify them.

1+2=3

9. Define the following :

1×3=3

(a) Ointment

(b) Paste

(c) Jellies

10. What are eye drops and eye lotions?

1½+1½=3

PART—B

10×5=50

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

(2) Each question carries **ten** 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 'prescription'. Explain various parts of prescription.

2+8=10

12. Define physical incompatibility. Identify the type of incompatibility present in the given prescription and correct it :

R

Menthol 5.0 g

Camphor 5.0 g

Ammonium chloride 30.0 g

Light magnesium carbonate 60.0 g

Make an insufflation.

2+8=10

13. What are effervescent granules? Write the method of preparation of effervescent granules.

2+8=10

14. What are emulsifying agents? Write their classification and explain them briefly.

2+8=10

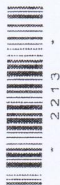
15. Explain briefly about ointment bases used in preparation of ointments. 10

16. Define the term 'suppositories'. Write the advantages and disadvantages and methods of preparation of suppositories. 1+2+7=10

17. Write short notes on sterility test and leaker test. 6+4=10

18. Write short notes on (a) face powders and (b) antiperspirants. 8+5=10

17122-PH-027



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ER91-PH-202

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BOARD DIPLOMA EXAMINATION, (ER-91)
SEPTEMBER/OCTOBER-2020
DPH-SECOND YEAR EXAMINATION
PHARMACEUTICAL CHEMISTRY-II

Time : 3 hours]

[Total Marks : 80

PART-A

3×10=30

Instructions : (1) Answer all questions.

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

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

1. Write the structures for the following heterocyclic rings : 1×3=3

(a) Pyrrole

(b) Oxazole

(c) Xanthine

2. Define antineoplastic agents. Give two examples. 2+1=3

3. Define the term parasympatholytics. Write the uses of atropine. 2+1=3

4. Define antitubercular drugs. Write the structure of para-aminosalicylic acid. 2+1=3

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5. What are local anaesthetics? Write the structure of lidocaine.
2+1=3
6. What are antidepressants? Give two examples.
2+1=3
7. What are antimalarials? Give two examples.
2+1=3
8. Write the structure, properties and uses of mannitol. 1+1+1=3
9. Write the structure, properties and uses of ~~propoxyphene~~ *aspirin*. 1+1+1=3
10. What are steroids? Write uses of androgens.
1+1=3

PART-B

10×5=50

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

(2) Each question carries **ten** 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 antiseptics and disinfectants with examples. Write the structure, properties and uses of (a) proflavin and (b) chlorocresol.
1+3+3+3=10
12. Define and classify antibiotics with examples. Write the structure, nomenclature, brand names, properties, uses and storage of benzyl penicillin.
1+3+6=10
13. Define and classify general anaesthetics with examples and write the structures, properties and uses of (a) diethyl ether and (b) halothane.
1+3+3+3=10
14. Define and classify adrenergic blockers with examples. Write the structures, properties and uses of (a) ~~propranolol~~ and (b) propranolol.
1+3+3+3=10
15. Write short notes on (a) antihypertensive drugs and (b) anti-thyroid drugs.
5+5=10

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16. Define and classify sedatives and hypnotics with examples. Write the structure, properties, uses, official preparations and storage conditions of ~~nitrazepam~~ *Phenobarbital*. 2+3+5=10
17. Write the structures, nomenclature, properties, uses and storage conditions of (a) ethyl nitrite and (b) caffeine. 5+5=10
18. Define and classify sulphonamides with examples. Write the structures, properties and uses of (a) sulphamethoxazole and (b) sulphaguanidine.
1+3+3+3=10

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ER91-PH-203

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BOARD DIPLOMA EXAMINATION, (ER-91)
SEPTEMBER/OCTOBER-2020

DPH—SECOND YEAR EXAMINATION
PHARMACOLOGY AND TOXICOLOGY

Time : 3 hours | Total Marks : 80

PART—A

3×10=30

Instructions : (1) Answer all questions.

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

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

1. Define myasthenia gravis. Write the drugs used in the treatment of it. 1+2=3

2. Define disinfectants and antiseptics with examples. 1½+1½=3

3. Classify skeletal muscle relaxants.

4. Define antibacterials and classify sulfonamides. 1+2=3

5. Define coagulation and classify anticoagulants. 1+2=3

6. Write about oral contraceptives.

7. Define metabolism and classify it.

1+2=3

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8. Define atherosclerosis and write the drugs used in the treatments of it. 1+2=3

9. Write about the drugs used in the treatment of glaucoma.

10. Define gout and classify anti-gout drugs. 1+2=3

PART-B

Instructions : (1) Answer any five questions.

(2) Each question carries ten marks.

(3) Answers should be comprehensive and the criterion for valuation is the content but not the length of the answer.

11. Define parasympatholytics and classify them. Write the MOA, pharmacological actions, adverse effects and uses of atropine. 1+2+7=10

12. Write about (a) anti-TB drugs and (b) anti-leptotics. 5+5=10

13. Define hypertension and classify antihypertensives. Write the MOA, pharmacological actions, adverse effects and uses of losartan. 1+2+7=10

14. Define psychosis and classify anti-psychotics. Write the MOA, pharmacological actions, adverse effects and uses of chlorpromazine. 1+2+7=10

15. Define diuretics and classify them. Write the MOA, pharmacological actions, adverse effects and uses of furosemide. 1+2+7=10

16. Write about physiological roles of the following : 5×2=10

(a) Histamine

(b) Serotonin

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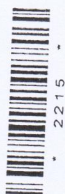
17. Classify NSAIDs. Write the MOA, pharmacological actions, adverse effects and uses of aspirin. 3+7=10

18. Define route of drug administration. Classify them. Write in detail about oral route of drug administration. 1+2+7=10

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ER91-PH-204

2215

BOARD DIPLOMA EXAMINATION, (ER-91)
SEPTEMBER/OCTOBER-2020
DPH—SECOND YEAR EXAMINATION
PHARMACEUTICAL JURISPRUDENCE

Time : 3 hours]

[Total Marks : 80

PART—A

3×10=30

Instructions : (1) Answer all questions.

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

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

1. What are education regulations (ER-91)?

2. What is subsequent registration?

3. What are schedule H drugs? Give two examples. 2+1=3

4. What is Repacking license?

5. Define the terms 'Drug' and 'Cosmetic' as per D and C Act. $1\frac{1}{2}+1\frac{1}{2}=3$

6. Define the terms 'Opium derivative' and 'Coca leaf. $1\frac{1}{2}+1\frac{1}{2}=3$

7. When does PCI withdraw the approval of an institution?

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8. Define the term 'Misbranded drugs'

9. Define the terms 'Chemist and Druggist' and 'Pharmacy' as per the D and C Act. $2 \times 2 = 3$

10. Give the objectives of Poisons Act, 1919.

PART—B

$10 \times 5 = 50$

Instructions : (1) Answer any five questions.

(2) Each question carries ten marks.

(3) Answers should be comprehensive and the criterion for valuation is the content but not the length of the answer.

11. What is the role of pharmacist in relation to his trade and medical profession?

12. Write the constitution and functions of Pharmacy Council of India.

13. Write short notes on the following : $5 \times 2 = 10$

(a) Qualifications and duties of Government analyst

(b) Functions of Central Drugs Laboratory

14. Write on the following : $5 \times 2 = 10$

(a) Powers of Central and State Government to permit, control and regulate Narcotic drug and Psychotropic substances

(b) Import and sale of Poisons under Poisons Act, 1919

15. Write about constructing and licensing of Bonded laboratory.

16. Write the qualifications and powers of Drug Inspector.

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17. (a) Define the term advertisements and magic remedies as per the Advertisements and Magic Remedies Act 3

(b) What classes of drugs are prohibited as per the Advertisement and Magic Remedies Act? 7

18. Write short notes on the following : $5 \times 2 = 10$

(a) The reasons for termination of pregnancy by RMP

(b) General requirements of labelling

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ER91-PH-205

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BOARD DIPLOMA EXAMINATION, (ER-91)
SEPTEMBER/OCTOBER—2020

DPH—SECOND YEAR EXAMINATION

DRUG STORE AND BUSINESS MANAGEMENT

Time : 3 hours]

[Total Marks : 80

PART—A

3×10=30

Instructions : (1) Answer **all** questions.

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

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

1. Define commerce. Mention the functions of commerce. 1+2=3
2. Write the merits and demerits of a sole tradership form of Business organization. $1\frac{1}{2}+1\frac{1}{2}=3$
3. Write a short note on Chain stores.
4. Write the objectives of Codification. Mention the codification methods. 1+2=3
5. Write about the VED method of Inventory control.
6. Write about Window display.
7. What is Recruitment? Mention the steps involved in recruitment. 1+2=3
8. Define Accountancy. Write the need of accountancy. 2+1=3

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- * 9. Write the salient features of a Balance Sheet.
10. Write the limitations of Budget.

PART—B

10×5=50

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

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

(3) Answers should be comprehensive and the criterion for valuation is the content but not the length of the answer.

11. Define Industry. Write the classification of industries based on any two criteria. 2+4+4=10
12. Define Partnership. Write the salient features, advantages and disadvantages of partnership type of Business organization. 2+8=10
13. Mention the different types of wholesalers. Write the advantages and disadvantages of wholesaler in a channel of distribution. 2+8=10
14. What is the importance of purchasing? Discuss the purchasing procedure in detail. 2+8=10
15. What are various sources of data for Market research? Write the advantages and disadvantages of market research. 5+5=10
16. What are the financial requirements for a Business organization? Write about various financial resources. 4+6=10
17. Write the different types of concepts of accountancy. Discuss (a) Entity concept and (b) Accounting period concept. 2+4+4=10
18. Define (a) Journal and (b) Ledger. Write the differences between journal and ledger. 2+2+6=10

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ER91-PH-206

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BOARD DIPLOMA EXAMINATION, (ER-91)
SEPTEMBER/OCTOBER-2020
DPH—SECOND YEAR EXAMINATION
HOSPITAL AND CLINICAL PHARMACY

Time : 3 hours] [Total Marks : 80

PART—A

3×10=30

Instructions : (1) Answer all questions.

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

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

1. Define Hospital. Classify on the basis of clinical services offered.

1+2=3

2. Mention three methods of estimating the demand of drug.

1×3=3

3. Give the use of the following instruments :

(a) X-ray scan

(b) Arthroscope

(c) Laproscope

4. Write a note on *Imhoff-Rodger Mill*.

5. Explain pathophysiology of Rheumatoid Arthritis.

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6. Write a short note on Teratogenicity
7. Give the symptoms and treatment for Narcotic drug poisoning. $1\frac{1}{2}+1\frac{1}{2}=3$
8. Define patient compliance. Give the reasons for patient non-compliance. $1+2=3$
9. How are computers useful in Purchasing and Inventory Control?
10. Write the advantages of unit dose dispensing system.

PART-B

10×5=50

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

- (2) Each question carries **ten** marks.
- (3) Answers should be comprehensive and the criterion for valuation is the content but not the length of the answer.

11. What is PTC? Write the functions and policies of the Committee. $2+4+4=10$
12. Describe the layout of Sterile product area.
13. Write the pathophysiology and symptoms of (a) diabetes and (b) hypertension. $5-5=10$
14. Define Drug interaction and classify. Explain the pharmacokinetic drug interactions. $2+2-6=10$
15. Write in brief about the following $2\frac{1}{2}\times 4=10$
 - (a) Drug induced renal disorder
 - (b) Allergic drug reactions
 - (c) Drug induced liver disorder
 - (d) Idiosyncrasy
16. Describe the role of pharmacist in patient counselling.

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|Contd.

17. (a) Define Antidote. Describe different types of antidotes. $1+6=7$
- (b) How is treatment given to the patient for the symptoms of Barbiturate poisoning? 3
18. (a) Describe the method of complete floor stock system of dispensing drug to the inpatient. 5
- (b) Give a typical plan of Central Sterile Service Department. 5

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