

[LB 4260]

AUGUST 2012

Sub. Code: 4260

SECOND B.PHARM. EXAM

Paper V – PHARMACY PRACTICE AND PATHOPHYSIOLOGY

Q.P. Code : 564260

Time : Three hours

Maximum: 100 Marks

(180 Min) Answer ALL questions in the same order.

Answer Section A and B in SEPARATE Answer Book.

SECTION A

(PHARMACY PRACTICE)

I. Elaborate on:

**Pages Time Marks
(Max.)(Max.)(Max.)**

- | | | | |
|---|----|----|----|
| 1. Define incompatibility. Explain all the types of physical incompatibilities with one example for each. | 19 | 33 | 20 |
|---|----|----|----|

II. Write notes on:

- | | | | |
|---|---|---|---|
| 1. Write a model prescription and mention its parts. | 3 | 8 | 5 |
| 2. Define Emulsions. Write any one method to determine the type of Emulsions. | 3 | 8 | 5 |
| 3. Write a short note on lotions. | 3 | 8 | 5 |
| 4. What is herapathite reaction? | 3 | 8 | 5 |

III. Short Answers:

- | | | | |
|-------------------------------|---|---|---|
| 1. What is Young's formula? | 1 | 5 | 2 |
| 2. What is 1 % w/v – explain. | 1 | 5 | 2 |
| 3. Define isotonicity. | 1 | 5 | 2 |
| 4. Define pills. | 1 | 5 | 2 |
| 5. Define Posology. | 1 | 5 | 2 |

SECTION B

(PATHOPHYSIOLOGY)

IV. Elaborate on:

- | | | | |
|--|----|----|----|
| 1. Define Inflammation. Explain in detail the process of Inflammation. | 19 | 33 | 20 |
|--|----|----|----|

V. Write notes on:

- | | | | |
|--|---|---|---|
| 1. Write a note on reversible cell injury. | 3 | 8 | 5 |
| 2. Write a note on Parkinson's disease. | 3 | 8 | 5 |
| 3. What is myocardial infarction? | 3 | 8 | 5 |
| 4. Explain about epilepsy. | 3 | 8 | 5 |

VI. Short Answers:

- | | | | |
|--------------------------|---|---|---|
| 1. Define apoptosis. | 1 | 5 | 2 |
| 2. Define diapedesis. | 1 | 5 | 2 |
| 3. Define atrophy. | 1 | 5 | 2 |
| 4. Define hypertrophy. | 1 | 5 | 2 |
| 5. What causes syphilis? | 1 | 5 | 2 |

[LC 4260]

FEBRUARY 2013

Sub. Code: 4260

SECOND YEAR B.PHARM. EXAM

Paper V – PHARMACY PRACTICE AND PATHOPHYSIOLOGY

Q.P. Code : 564260

Time: Three hours
(180 Min)

Maximum: 100 Marks

Answer Section A and B in SEPARATE Answer Book.

SECTION A
(PHARMACY PRACTICE)

I. Elaborate on: (1X20=20)

1. a) Citing an example, identify the important components of an ideal prescription and indicate their importance.
- b) What are the legal requirements to be followed and complied with for establishing and maintaining retail medical store?

II. Write notes on: (4X5=20)

1. How do you distinguish gargles from mouthwash?
2. Explain how children doses are calculated?
3. Barriers in Patient counseling.
4. Role of pharmacist in community health care and education.

III. Short Answers: (5X2=10)

1. Types of emulsion with suitable example.
2. Define vitallium.
3. Antagonism.
4. Double wrapping method.
5. Liniments.

SECTION B
(PATHOPHYSIOLOGY)

IV. Elaborate on: (1X20=20)

1. a) Define AIDS. Explain the mode of transmission and management of HIV/AIDS.
- b) What are the contributory factors for peptic ulcer.

V. Write notes on: (4X5=20)

1. Urinary Tract Infections.
2. Management of Asthma.
3. Pathophysiology of ulcerative colitis.
4. Mediators of inflammation.

VI. Short Answers (5X2=10)

1. Lewis triple response.
2. DOT therapy.
3. Atheroma.
4. Angina.
5. Myocardial infarction.

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AUGUST 2013

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SECOND YEAR B.PHARM. EXAM

PAPER V – PHARMACY PRACTICE AND PATHOPHYSIOLOGY

Q.P. Code: 564260

Time: Three Hours

Maximum: 100 marks

Answer Section A and B in SEPARATE Answer Book.

SECTION A

(PHARMACY PRACTICE)

I. Elaborate on:

(1X20=20)

1. (a). Define prescription. Explain the parts of prescription with a model prescription.
(b) Define posology. Explain the various factors which determine the dose(s) of drugs(s).

II. Write notes on:

(4X5=20)

1. Handling of prescription.
2. How will you prepare 200ml of 60 percent alcohol from 90 percent and 50 percent alcohols.
3. Convert 18° UP and 20° OP into percentage of alcohol.
4. Add a note on various child dose calculation formulas.

III. Short Answers on:

(5X2=10)

1. Supra-addition.
2. Agonist.
3. Absolute alcohol
4. Proof spirit
5. Lotions

SECTION B

(PATHOPHYSIOLOGY)

I. Elaborate on:

(1X20=20)

1. Define diabetes. Discuss in detail the etiology, pathophysiology and management of diabetes.

II. Write notes on:

(4X5=20)

1. Differentiate acute and chronic renal failure.
2. Types of congestive heart failure.
3. Types of urinary tract infections.
4. Pathophysiology of gout.

III. Short answers:

(5X2=10)

1. Azotemia.
2. Suppuration.
3. Urolithiasis
4. Ejection fraction.
5. Podagra.

(LE 4260)

FEBRUARY 2014

Sub. Code: 4260

SECOND YEAR B.PHARM. EXAM

PAPER V – PHARMACY PRACTICE AND PATHOPHYSIOLOGY

Q.P. Code: 564260

Time: Three Hours

Maximum: 100 marks

Answer Section A and B in SEPARATE Answer Book.

SECTION A

(PHARMACY PRACTICE)

I. Elaborate on: (1X20=20)

1. a. Discuss the formulation of mixtures with examples?
- b. Classify different types of bandage materials with their application

II. Write notes on: (4X5=20)

1. Mention the factors to be determined during dose calculation.
2. Write a note on therapeutic incompatibility with example.
3. Outline the design of drug store?
4. Mention the records to be retained in the drug store.

III. Short Answers on: (5X2=10)

1. Define Emulsion
2. Give two examples for over the counter medication.
3. Differentiate the mode of application in liniment & lotion
4. Define hypertonic solution.
5. Mention two examples for adhesive tapes

SECTION B

(PATHOPHYSIOLOGY)

I. Elaborate on: (1X20=20)

1. a) Discuss the pathophysiology of cell injury.
- b) Enumerate the management of diabetes

II. Write notes on: (4X5=20)

1. Differentiate atrophy & hypertrophy
2. Mechanism of cell repair
3. Pathophysiology of hypertension.
4. Contributing factors for asthma.

III. Short answers on: (5X2=10)

1. Gout
2. Therapy for treating rheumatoid arthritis
3. Importance of thyroid stimulating hormone
4. Treatment for peptic ulcer
5. Any two causes of cell injury.

SECOND YEAR B.PHARM. DEGREE EXAMINATION

Paper V – PHARMACY PRACTICE AND PATHOPHYSIOLOGY

Q. P. Code: 564260

Time: Three Hours

Maximum: 100 Marks

Answer All Questions

Answer Section-A and B in separate Answer Book

SECTION-A

(PHARMACY PRACTICE)

I. Essay: **(1 x 20 = 20)**

1. a) Define and classify the different type of mixtures with suitable examples.
- b) What are lotions and liniments? Add a note on calamine lotion and turpentine liniment.

II. Short Notes: **(4 x 5 = 20)**

1. Legal requirements to establish a drug store.
2. Source of errors in prescription.
3. What is inscription? What are adjuvant and corrigens? Give an example for each.
4. What are emulsions? Explain the method of preparation of emulsion.

III. Short Answers: **(5 x 2 = 10)**

1. Isotonic solution
2. Posology
3. Absorbents.
4. Antagonism.
5. Barriers in patient counseling.

SECTION-B

(PATHOPHYSIOLOGY)

I. Essay: **(1 x 20 = 40)**

1. a) Define Angina pectoris. Explain the causes, pathophysiology, diagnosis and symptoms of Angina pectoris.

II. Short Notes: **(4 x 5 = 20)**

1. Risk factors for atherosclerosis.
2. Pathophysiology of peptic ulcer.
3. Pathophysiology of hepatitis A and B.
4. Different types of epilepsy.

III. Short Answers: **(5 x 2 = 10)**

1. Proctitis
2. Thrombosis
3. Sigmoidoscopy
4. Tophi
5. DOT
