

DOCTOR OF PHARMACY (PHARM. D) DEGREE EXAMINATION**SECOND YEAR****PAPER VI – PHARMACOTHERAPEUTICS - I***Q.P. Code: 383812***Time: Three Hours****Maximum: 100 marks****Answer ALL questions in the same order.****I. Elaborate on :**

Pages (Max.)	Time (Max.)	Marks (Max.)
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- | | | | |
|---|----|---------|----|
| 1. Explain in detail about the etiology, pathophysiology, pharmacotherapy and various triggering factors responsible to produce asthma. | 17 | 40 min. | 20 |
| 2. Describe the etiology, pathogenesis, clinical features and investigations of diabetes. Explain the treatment protocol of the same. | 17 | 40 min. | 20 |

II. Write notes on :

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|---|---|---------|---|
| 1. General prescribing guide lines for breast feeding mothers . | 4 | 10 min. | 6 |
| 2. Etiopathogenesis and pharmacotherapy of conjunctivitis. | 4 | 10 min. | 6 |
| 3. Pharmacotherapy of hyperlipidaemias. | 4 | 10 min. | 6 |
| 4. Write a note on hormone replacement therapy. | 4 | 10 min. | 6 |
| 5. Explain the mechanism of oral contraceptive drugs. | 4 | 10 min. | 6 |
| 6. Significance of pulmonary function test. | 4 | 10 min. | 6 |
| 7. Discuss briefly about the drug induced pulmonary disorder. | 4 | 10 min. | 6 |
| 8. Explain role of pharmacist in essential drug concept. | 4 | 10 min. | 6 |
| 9. Management of osteoporosis. | 4 | 10 min. | 6 |
| 10. Pharmacotherapy of glaucoma. | 4 | 10 min. | 6 |

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Pages (Max.)	Time (Max.)	Marks (Max.)
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- | | | | |
|---|----|---------|----|
| 1. Explain the pathogenesis and clinical manifestations of Asthma.
Write the pharmacotherapy and management of asthma. | 17 | 40 min. | 20 |
| 2. Describe the etiology, pathogenesis, clinical features and investigations of ischemic heart disease. Write the treatment goals of IHD. | 17 | 40 min. | 20 |

II. Write notes on :

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|--|---|---------|---|
| 1. What are the factors to be considered while prescribing for geriatric patients? | 4 | 10 min. | 6 |
| 2. Write the definition and etiology of hypertension. | 4 | 10 min. | 6 |
| 3. Write the pathophysiology of Type two diabetes mellitus. | 4 | 10 min. | 6 |
| 4. The role of pharmacist in essential drug concept. | 4 | 10 min. | 6 |
| 5. Pharmacotherapeutic management of Glaucoma. | 4 | 10 min. | 6 |
| 6. What are the clinical manifestations and management of conjunctivitis? | 4 | 10 min. | 6 |
| 7. Write the etiology and pathogenesis of Osteoporosis. | 4 | 10 min. | 6 |
| 8. Define Congestive heart failure and its management. | 4 | 10 min. | 6 |
| 9. How pulmonary function test done? | 4 | 10 min. | 6 |
| 10. How is pediatric dose calculated? | 4 | 10 min. | 6 |

DOCTOR OF PHARMACY (PHARM. D) DEGREE EXAMINATION

SECOND YEAR

PAPER VI – PHARMACOTHERAPEUTICS - I

Q.P. Code: 383812

Time: Three Hours

Maximum: 100 marks

Answer All questions

I. Elaborate on:

(4 x 10 = 40)

1. Define Glaucoma, types of glaucoma and clinical manifestations.
Write the pathophysiology, pharmacotherapy in the management of glaucoma.
2. Explain the pharmacokinetics of drug therapy and the general principles involved and goals of therapy for geriatric patient.

II. Write notes on:

(10 x 6 = 60)

1. Narrate the prescribing guidelines in pregnancy.
2. Treatment of viral conjunctivitis.
3. Pharmacist role in rational drug formulation.
4. Write the etiology, classification, clinical manifestations of diabetes mellitus.
5. Write a note on hormonal oral contraceptives.
6. Write the difference between Asthma and Chronic obstructive pulmonary disease.
7. Write down the complications of hyperlipidemia.
8. Use of Diuretics in cardiovascular disease.
9. What are the conditions that seen in drug induced pulmonary diseases?
10. Write the management of thyroid disorders.

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SECOND YEAR

PAPER VI – PHARMACOTHERAPEUTICS - I

Q.P. Code: 383812

Time: Three Hours

Maximum: 70 marks

Answer All questions

I. Elaborate on:

(2 x 20 = 40)

1. a) Discuss the preparation of individualized therapeutic plans based on diagnosis.
b) Explain the importance of preparation of individualized therapeutic plans based on diagnosis.
2. a) Explain the pharmacokinetics of the drug therapy and general principles involved therapy for Pregnancy in detail.
b) Explain the etiopathogenesis and pharmacotherapy for bacterial infection related to Ophthalmology.

II. Write notes on:

(10 x 3 = 30)

1. Write a note on Osteoporosis and its management.
2. Electrophysiology of Arrhythmias.
3. Pharmacotherapy of chronic obstructive airways disease.
4. Treatment for viral conjunctivitis.
5. Management of Asthma.
6. Pathophysiology of Hyperlipidemia.
7. Prescribe the guidelines for pregnant patients for their drug use.
8. What are the steps to be followed for rational drug use.
9. How will you calculate pediatric dose?
10. Significance of pulmonary function test.

[LE 812]

APRIL 2014

Sub. Code: 3812

DOCTOR OF PHARMACY (PHARM. D) DEGREE EXAMINATION

SECOND YEAR

PAPER VI – PHARMACOTHERAPEUTICS - I

Q.P. Code: 383812

Time: Three Hours

Maximum: 70 marks

Answer All questions

I. Elaborate on:

(2 x 20 = 40)

1. What is Diabetes mellitus? Add elaborately about etiology, clinical manifestations and pharmacotherapy involved in Type 2 diabetes mellitus.
2. Etiopathogenesis and pharmacotherapy involved in Bronchitis and emphysema.

II. Write notes on:

(10 x 3 = 30)

1. Define hypertension and write its types and etiology.
2. Differentiate Angina pectoris and myocardial infarction.
3. Briefly mention about the pharmacotherapy of hyperlipidaemia.
4. Write a short note on electrophysiology of heart.
5. Write briefly about general prescribing guidelines involved in paediatric patients.
6. List the clinical manifestations involved in Glaucoma.
7. Define rational drug use and add a note on role of pharmacist in rational drug use.
8. Write the significance of spirometry testing in respiratory diseases.
9. Name the drugs involved in hormone replacement therapy.
10. Brief note on pharmacotherapy of Bacterial and viral conjunctivitis.

[LF 812]

OCTOBER 2014

Sub. Code: 3812

PHARM. D DEGREE EXAMINATION
(2009-2010 Regulation)
SECOND YEAR
PAPER VI – PHARMACOTHERAPEUTICS - I

Q.P. Code : 383812

Time : Three hours

Maximum : 70 marks

I. Elaborate on :

(4 x 10 = 40)

1. Define Congestive Cardiac Failure. Write the etiology, clinical manifestations, pathophysiology, and management of CCF.
2. What is Diabetes Mellitus? Mention the type, etiology, pathophysiology and treatment of Diabetes Mellitus.
3. Write about Hypertension. Define the types, clinical manifestations, management of Hypertension.
4. Define Angina Pectoris. Write the etiology, clinical manifestation, pathophysiology and management of angina.

II. Write notes on :

(6 x 5 = 30)

1. Hormone replacement therapy.
2. Write about the management of Asthma.
3. General prescribing guidelines for Geriatric patients.
4. Define Osteoporosis and its management.
5. What is Hyperlipidemia? Write the pharmacological treatment for Hyperlipidemia.
6. COPD

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(2009-2010 Regulation)

SECOND YEAR

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Time: Three Hours

Maximum: 70 marks

Answer All questions

I. Elaborate on:

(4 x 10 = 40)

1. Explain Hyperthyroidism.

Add notes on clinical symptoms and management of Hyperthyroidism.

2. Explain about Asthma and its causes. Add notes on pharmacotherapy of Asthma.

3. Define Myocardial Infarction and its various management.

4. Write about the general prescribing guidelines for Pediatric patients.

II. Write notes on:

(6 x 5 = 30)

1. Viral and bacterial conjunctivitis.

2. Write about Vaughan – Williams classification of drugs in the management of arrhythmias.

3. Role of pharmacist in rational drug use.

4. Macro and micro vascular complications of diabetes mellitus.

5. Give short notes on Oral contraceptive drugs and its usage.

6. What is atherosclerosis? and explain the development of atherosclerosis.

[LH 812]

OCTOBER 2015

Sub. Code: 3812

PHARM. D DEGREE EXAMINATION

(2009-2010 Regulation)

SECOND YEAR

PAPER VI – PHARMACOTHERAPEUTICS - I

Q.P. Code : 383812

Time: Three Hours

Maximum: 70 marks

Answer ALL questions

I. Elaborate on :

(4 x 10 = 40)

1. Define Glaucoma, pathophysiology, Pharmacotherapy in the management of glaucoma.
2. General prescribing guidelines in pregnancy and breast feeding.
3. Explain about the Electro physiology and various types of Arrhythmias.
4. Pathogenesis, clinical manifestation and management of chronic obstructive pulmonary disease.

II. Write notes on :

(6 x 5 = 30)

1. Role of Pharmacist in essential drug concept on rational drug use.
2. Write about various types of insulin and usage.
3. Therapeutic management of hypertension.
4. Types of thyroid diseases and recommended drug regimen.
5. Etiopathogenesis of osteoporosis.
6. Write a note on hormone replacement therapy.

[LI 812]

APRIL 2016

Sub. Code: 3812

PHARM. D DEGREE EXAMINATION
(2009-2010 Regulation)
SECOND YEAR
PAPER VI – PHARMACOTHERAPEUTICS - I

Q.P. Code: 383812

Time : Three hours

Maximum : 70 Marks

I. Elaborate on:

(4 x 10 = 40)

1. Describe the etiology, pathogenesis, clinical features and pharmacotherapy of Diabetes.
2. Discuss the etiology, clinical features and management in therapy of Chronic Obstructive Pulmonary Disease.
3. Discuss the signs & symptoms, clinical features and investigations of Thyroid Diseases. Write the treatment goal of Thyroid disease.
4. Write a note on : a) Arrhythmias. b) Asthma.

II. Write notes on:

(6 x 5 = 30)

1. General prescribing guide lines for breast feeding women.
2. Complications and management of Hyperlipdemia.
3. Oral contraceptives.
4. Pharmacotherapeutic management of Hypertension.
5. Etiopathogenesis and pharmacotherapy of Conjunctivitis.
6. Causes and pharmacotherapy of Glaucoma.

[LJ 812]

OCTOBER 2016

Sub. Code: 3812

PHARM. D DEGREE EXAMINATION
(2009-2010 Regulation)
SECOND YEAR
PAPER VI – PHARMACOTHERAPEUTICS - I

Q.P. Code: 383812

Time : Three hours

Maximum : 70 Marks

I. Elaborate on:

(4 x 10 = 40)

1. Explain in detail about therapeutic management of Myocardial Infarction.
2. Describe etiology, pathogenesis diagnosis and pharmacotherapy of Bacterial conjunctivitis.
3. Describe various forms of Hyperthyroidism and its treatment.
4. Describe the factors affecting placental drug transfer.

II. Write notes on:

(6 x 5 = 30)

1. Illustrate the age related pharmacokinetic factors and their clinical significance.
2. Enumerate the drug related risks involved in hormone therapy.
3. Write about drugs that are used as inhaled relievers for Asthma.
4. Electrophysiology of heart.
5. Write a note on various parameters measured in spirometry.
6. Enumerate the role of pharmacist in providing rational drug therapy.

[LK 812]

MAY 2017

Sub. Code: 3812

PHARM. D DEGREE EXAMINATION
(2009-2010 Regulation)
SECOND YEAR
PAPER VI – PHARMACOTHERAPEUTICS - I

Q.P. Code: 383812

Time : Three hours

Maximum : 70 Marks

I. Elaborate on:

(4 x 10 = 40)

1. Describe the etiopathogenesis and pharmacotherapy of Osteoporosis.
2. Describe different types of Heart failure and its therapeutic management.
3. Define Asthma, explain the trigger factor pathophysiology and pharmacotherapy of Asthma.
4. Explain about hormonal replacement therapy and its disadvantages.

II. Write notes on:

(6 x 5 = 30)

1. Write a note on drug induced pulmonary diseases.
2. Classify hypothyroidism with their clinical presentation.
3. Define rational drug therapy and mention its significance.
4. Write the etiopathogenesis and management of conjunctivitis.
5. Enumerate factors associated with pediatric prescribing.
6. Write a note on drugs that modify functions of Renin Angiotensin system.

[LL 812]

OCTOBER 2017

Sub. Code: 3812

PHARM. D DEGREE EXAMINATION
(2009-2010 Regulation)
SECOND YEAR
PAPER VI – PHARMACOTHERAPEUTICS - I

Q.P. Code: 383812

Time : Three hours

Maximum : 70 Marks

I. Elaborate on:

(4 x 10 = 40)

1. Explain in detail about various classes of drugs used in the treatment of Hypertension.
2. Explain in detail about the pathogenesis and management of chronic obstructive airways disease.
3. Discuss the reasons for insulin resistance and therapeutic management of the same.
4. Describe the various clinical features to differentiate Right Heart failure and Left Heart failure.

II. Write notes on:

(6 x 5 = 30)

1. Write about causes and management of hyperlipidaemia.
2. Classify the drugs according to the degree of their potential risk during pregnancy.
3. Enumerate methods of hormone administration during hormone replacement therapy.
4. Write the William's classification of antiarrhythmic drugs.
5. Classify Glaucoma with its etiopathogenesis.
6. Write a note on oral contraceptives.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[LM 812]

MAY 2018

Sub. Code: 3812

PHARM. D DEGREE EXAMINATION
(2009-2010 Regulation)
SECOND YEAR
PAPER VI – PHARMACOTHERAPEUTICS - I

Q.P. Code: 383812

Time : Three hours

Maximum : 70 Marks

I. Elaborate on:

(4 x 10 = 40)

1. Define Glaucoma, pathophysiology, pharmacotherapy in the management of Glaucoma.
2. General prescribing guidelines in pregnancy and breast feeding.
3. Explain about various types of Arrhythmias and write the management of Arrhythmias.
4. Pathophysiology of Diabetes Mellitus and add a note on various insulin preparation and usage.

II. Write notes on:

(6 x 5 = 30)

1. Role of Pharmacist in rational drug use.
2. Write about various pulmonary function test.
3. Therapeutic management of hypertension.
4. Types of thyroid diseases and recommended drug regimen.
5. Osteoporosis.
6. Hormone replacement therapy.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[LO 812]

MAY 2019

Sub. Code: 3812

PHARM. D DEGREE EXAMINATION
(2009-2010 Regulation)
SECOND YEAR
PAPER VI – PHARMACOTHERAPEUTICS - I

Q.P. Code: 383812

Time : Three hours

Maximum : 70 Marks

I. Elaborate on:

(4 x 10 = 40)

1. Discuss the management of Hyperlipidemia.
2. Explain the Pathophysiology, clinical presentation and management of Chronic Obstructive Airway Disease.
3. Describe on oral hypoglycemic agents and add a note on the treatment for Type II Diabetes using Metformin and Sitagliptin.
4. Discuss the prescribing guidelines for Geriatrics.

II. Write notes on:

(6 x 5 = 30)

1. Electrophysiology of Heart.
2. Management of Osteoporosis.
3. Pharmacotherapy of hypothyroidism.
4. Management of Conjunctivitis.
5. Oral Contraceptives.
6. Drug induced Pulmonary Diseases.
