

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

[LL 972]

NOVEMBER 2017

Sub. Code: 2972

**M.PHARM. DEGREE EXAMINATION**  
**(PCI New regulations 2016)**  
**SEMESTER-I**  
**PHARMACY PRACTICE – MPP**  
**PAPER II – PHARMACOTHERAPEUTICS – I**

*Q.P. Code : 262972*

**Time : Three hours**

**Maximum : 75 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Discuss the pathophysiology, signs and symptoms and management of Congestive Heart Failure.
2. Discuss the pathogenesis and management of COPD.

**II. Write notes on:**

**(7 x 5 = 35)**

1. Drug Induced Hematological Disorders.
2. Management of Asthma.
3. Pharmacotherapy of Hepatitis.
4. Treatment for Hyperlipidemias.
5. Pharmacotherapy of Rheumatoid Arthritis.
6. Management of Glaucoma.
7. Pharmacotherapy of Psoriasis.

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

[LM 972]

MAY 2018

Sub. Code: 2972

**M.PHARM. DEGREE EXAMINATION**  
**(PCI New regulations 2016)**  
**SEMESTER-I**  
**PHARMACY PRACTICE – MPP**  
**PAPER II – PHARMACOTHERAPEUTICS – I**

*Q.P. Code : 262972*

**Time : Three hours**

**Maximum : 75 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Classify anti-hypertensive drugs. Discuss the Pathophysiology, signs and symptoms and management of Hypertension using Diuretics and ACE-Inhibitors.
2. Discuss the pathogenesis and management of Thyroid Disorders.

**II. Write notes on:**

**(7 x 5 = 35)**

1. Drug Induced Pulmonary Diseases.
2. Management of Peptic Ulcer Disease.
3. Pharmacotherapy of Anemia.
4. Class I anti-arrhythmic drugs.
5. Pharmacotherapy of Gout.
6. Drug Induced Liver Disease.
7. Pharmacotherapy of Osteoporosis.

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

[LN 972]

NOVEMBER 2018

Sub. Code: 2972

**M.PHARM. DEGREE EXAMINATION**  
**(PCI New regulations 2016)**  
**SEMESTER-I**  
**PHARMACY PRACTICE – MPP**  
**PAPER II – PHARMACOTHERAPEUTICS – I**

*Q.P. Code : 262972*

**Time : Three hours**

**Maximum : 75 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Discuss the Pathophysiology, signs and symptoms and management of Type II Diabetes.
2. Define Asthma. Discuss the pathogenesis and stepwise management of Asthma with special reference to Leukotriene antagonists.

**II. Write notes on:**

**(7 x 5 = 35)**

1. Pathophysiology of Angina Pectoris.
2. Management of Anaemia.
3. Treatment for Hyperlipidemias.
4. Drug Induced Hematological Disorders.
5. Pharmacotherapy of Peptic Ulcer Disease.
6. Management of Glaucoma.
7. Pharmacotherapy of Rheumatoid Arthritis.

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

[LO 972]

MAY 2019

Sub. Code: 2972

**M.PHARM. DEGREE EXAMINATION**  
**(PCI New regulations 2016)**  
**SEMESTER-I**  
**PHARMACY PRACTICE – MPP**  
**PAPER II – PHARMACOTHERAPEUTICS – I**

*Q.P. Code : 262972*

**Time : Three hours**

**Maximum : 75 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Describe about the types of Psoriasis, explain the clinical symptoms and management of Plaque Psoriasis.
2. Discuss the aetiology, investigations and management of Hhyperthyroidism.

**II. Write notes on:**

**(7 x 5 = 35)**

1. Explain the pathophysiology of iron deficiency anaemia.
2. Role of inhaled corticosteroids therapy in asthma with examples.
3. Management of diabetes with sodium glucose co-transporter 2 inhibitors.
4. Pharmacotherapy of Peptic Ulcer disease.
5. Short notes on Jaundice.
6. Allopurinol in Gout population.
7. Brief about Conjunctivitis.

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

[LP 972]

NOVEMBER 2019

Sub. Code: 2972

**M.PHARM. DEGREE EXAMINATION**  
**(PCI New regulations 2016)**  
**SEMESTER-I**  
**BRANCH V – PHARMACY PRACTICE – MPP**  
**PAPER II – PHARMACOTHERAPEUTICS – I**

*Q.P. Code : 262972*

**Time : Three hours**

**Maximum : 75 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Describe about the factors causing Congestive Heart Failure, explain about Newyork heart association classification for heart failure and its management.
2. Discuss the aetiology, Pathophysiology and management of Osteoporosis.

**II. Write notes on:**

**(7 x 5 = 35)**

1. Vaughan-Williams classification of antiarrhythmic drugs.
2. Bronchodilator therapy in Chronic Obstructive Pulmonary disease.
3. Explain about management of Cirrhosis.
4. Short notes on drug induced Liver disease.
5. Biological agents in Rheumatoid Arthritis.
6. Types of Impetigo.
7. Management of Open Angle Glaucoma.

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

[LQ 0121]

**JANUARY 2021**

**Sub. Code: 2972**

**(APRIL 2020 EXAM SESSION)**

**M.PHARMACY DEGREE EXAMINATION**

**SEMESTER-I (PCI New regulations 2016)**

**PHARMACY PRACTICE - MPP**

**PAPER II – PHARMACOTHERAPEUTICS - I**

***Q.P. Code : 262972***

**Time : Three hours**

**Answer ALL Questions**

**Maximum : 75 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Explain in detail about the etiology, pathophysiology, pharmacotherapy and various triggering factors responsible to produce asthma.
2. What is Diabetes mellitus? Add elaborately about etiology, clinical manifestations and pharmacotherapy involved in Type 2 diabetes mellitus.

**II. Write notes on:**

**(7 x 5 = 35)**

1. Use of Diuretics in cardiovascular disease.
2. Write the management of thyroid disorders.
3. List the clinical manifestations involved in Glaucoma.
4. Pharmacotherapy in rheumatoid arthritis.
5. Scabies and its treatment.
6. Etiology and management of gastroenteritis.
7. Drugs used in the management of osteoarthritis.

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

**[MPHARM 0921]**

**SEPTEMBER 2021  
(OCTOBER 2020 EXAM SESSION)**

**Sub. Code: 2972**

**M.PHARMACY DEGREE EXAMINATION  
SEMESTER-I (PCI New regulations 2016)  
PHARMACY PRACTICE - MPP  
PAPER II – PHARMACOTHERAPEUTICS - I  
*Q.P. Code : 262972***

**Time : Three hours**

**Answer ALL Questions**

**Maximum : 75 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Discuss in detail about etiology, pathophysiology and the management of hypertension.
2. Write in detail about etiology, pathogenesis of peptic ulcer and its pharmacotherapy.

**II. Write notes on:**

**(7 x 5 = 35)**

1. Short note on hyperlipidaemia.
2. Drug induced pulmonary disease with example.
3. Write note on Grave's disease.
4. Pharmacological & Non pharmacological management of reflux esophagitis.
5. Detail the management of constipation.
6. Brief about etiological factors for gout.
7. Write a note on eczema.

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

**[M.PHARM 0922]**

**SEPTEMBER 2022  
(APRIL 2022 EXAM SESSION)**

**Sub. Code: 2972**

**M.PHARMACY DEGREE EXAMINATION  
SEMESTER - I (PCI New regulations 2016)  
PHARMACY PRACTICE - MPP  
PAPER II – PHARMACOTHERAPEUTICS – I**

*Q.P. Code : 262972*

**Time : Three hours**

**Answer ALL Questions**

**Maximum : 75 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Discuss the pathophysiology, signs and symptoms and management of Congestive Heart Failure.
2. Discuss the pathogenesis and management of COPD.

**II. Write notes on:**

**(7 x 5 = 35)**

1. Drug Induced Hematological Disorders.
2. Treatment for Hyperlipidemias.
3. Management of Hypertension using ACE-Inhibitors.
4. Management of Asthma.
5. Treatment of Type II Diabetes.
6. Deep vein thrombosis.
7. Pathophysiology of Angina Pectoris.

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

**[M.PHARM 0423]**

**APRIL 2023  
(OCTOBER 2022 EXAM SESSION)**

**Sub. Code: 2972**

**M.PHARMACY DEGREE EXAMINATION  
SEMESTER - I (PCI New regulations 2016)  
PHARMACY PRACTICE - MPP  
PAPER II – PHARMACOTHERAPEUTICS – I**

*Q.P. Code: 262972*

**Time : Three hours**

**Answer ALL Questions**

**Maximum : 75 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Classify anti-hypertensive drugs. Discuss the pathophysiology, signs and symptoms and management of Hypertension.
2. Discuss the aetiology, pathophysiology and management of Osteoporosis.

**II. Write notes on:**

**(7 x 5 = 35)**

1. Pharmacotherapy of Rheumatoid Arthritis.
2. Explain about management of cirrhosis.
3. Drug induces skin disorders.
4. Drug Induced Liver Disease.
5. Short notes on Jaundice.
6. Inflammatory Bowel Disease.
7. Management of Chronic Obstructive Pulmonary disease.

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

**[M.PHARM 0823]**

**AUGUST 2023  
(APRIL 2023 EXAM SESSION)**

**Sub. Code: 2972**

**M.PHARMACY DEGREE EXAMINATION  
SEMESTER - I (PCI New Regulations 2016)  
PHARMACY PRACTICE - MPP  
PAPER II – PHARMACOTHERAPEUTICS – I**

*Q.P. Code: 262972*

**Time : Three hours**

**Answer ALL Questions**

**Maximum : 75 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Discuss the pathophysiology, signs and symptoms and management of Peptic Ulcer Disease.
2. Discuss the pathogenesis and management Rheumatoid Arthritis and Osteoarthritis.

**II. Write notes on:**

**(7 x 5 = 35)**

1. Management of Asthma.
2. Pharmacotherapy of Anemia.
3. Pharmacotherapy of Gout.
4. Brief about Conjunctivitis.
5. Vaughan-Williams classification of antiarrhythmic drugs.
6. Types of Impetigo.
7. Scabies and its treatment.

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

**[M.PHARM 1223]**

**DECEMBER 2023  
(OCTOBER 2023 EXAM SESSION)**

**Sub. Code: 2972**

**M.PHARMACY DEGREE EXAMINATION  
SEMESTER - I (PCI New Regulations 2016)  
PHARMACY PRACTICE - MPP  
PAPER II – PHARMACOTHERAPEUTICS – I**

*Q.P. Code: 262972*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 75 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Discuss about etiology, classification and therapeutic management of Hypertension.
2. Explain in detail about the etiology, pathophysiology, pharmacotherapy of Rheumatoid arthritis.

**II. Write notes on:**

**(7 x 5 = 35)**

1. Pharmacotherapy of chronic obstructive airways disease.
2. Electrophysiology of Arrhythmias.
3. DMARD therapy of rheumatoid arthritis.
4. Respiratory tract infections.
5. Pharmacotherapy of Tuberculosis.
6. Drug induced hematological disorders.
7. Osteoarthritis.

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

**[M.PHARM 0524]**

**MAY 2024  
(APRIL 2024 EXAM SESSION)**

**Sub. Code: 2972**

**M.PHARMACY DEGREE EXAMINATION  
SEMESTER - I (PCI New Regulations 2016)  
PHARMACY PRACTICE - MPP  
PAPER II – PHARMACOTHERAPEUTICS – I**

*Q.P. Code: 262972*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 75 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Define Osteoporosis. Discuss the Pathophysiology, signs and symptoms and management of Osteoporosis.
2. Discuss the aetiology, Clinical investigations and management of thyroid disorders.

**II. Write notes on:**

**(7 x 5 = 35)**

1. Explain the pathophysiology of iron deficiency anaemia.
2. Management of Hyperlipidemias.
3. Anticancer Drugs.
4. Pharmacotherapy of Peptic Ulcer Disease.
5. Conjunctivitis.
6. New York heart association classification for heart failure and its management.
7. Role of Bronchodilators in COPD.

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

**[M.PHARM 0425]**

**APRIL 2025**

**Sub. Code: 2972**

**M.PHARMACY DEGREE EXAMINATION  
SEMESTER - I (PCI New Regulations 2016)  
PHARMACY PRACTICE - MPP  
PAPER II – PHARMACOTHERAPEUTICS – I**

*Q.P. Code: 262972*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 75 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Describe the pathophysiology of cirrhosis and its complications. Discuss the pharmacological management of portal hypertension in cirrhotic patients.
2. Discuss the approach to DVT prophylaxis in high-risk patients, including pharmacological and non-pharmacological strategies.

**II. Write notes on:**

**(7 x 5 = 35)**

1. Classify conjunctivitis based on etiology and list the common causative agents with management.
2. List the role of emollients and moisturizers in the management of eczema and their importance in preventing flare-ups.
3. Explain the mechanism of action and therapeutic role of nonsteroidal anti-inflammatory drugs (NSAIDs) in osteoarthritis treatment.
4. Describe the role of hepatoprotective agents in the management of drug-induced liver disease.
5. Discuss the role of antiviral agents in the treatment of chronic hepatitis B.
6. Discuss the mechanism of action and therapeutic role of inhaled corticosteroids (e.g. budesonide, fluticasone) in long-term asthma control.
7. Classify the drugs used in gout management and provide one example from each category.

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

**[M.PHARM 1025]**

**OCTOBER 2025**

**Sub. Code: 2972**

**M.PHARMACY DEGREE EXAMINATION  
SEMESTER - I (PCI New Regulations 2016)  
PHARMACY PRACTICE - MPP  
PAPER II – PHARMACOTHERAPEUTICS – I**

*Q.P. Code: 262972*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 75 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Describe the pathophysiology of type 1 and type 2 diabetes mellitus. Discuss the mechanism of action, therapeutic uses and adverse effects of insulin therapy in diabetes management.
2. Explain the pathophysiology and classification of Irritable Bowel Syndrome (IBS). Discuss the role of lifestyle modifications and non-pharmacological approaches in IBS management.

**II. Write notes on:**

**(7 x 5 = 35)**

1. Describe the role of diuretics in hypertension management and differentiate between thiazide and loop diuretics.
2. Classify drug-induced pulmonary diseases and provide one example of a drug responsible for each type and specific management strategies.
3. Discuss the role of antithyroid drugs in the management of hyperthyroidism.
4. Discuss the role of H. pylori eradication therapy in peptic ulcer disease and mention the standard treatment regimen.
5. Explain the role and mechanism of action of bulk-forming laxatives in constipation management.
6. Explain the mechanism of action and therapeutic role of disease-modifying ant rheumatic drugs (DMARDs) in RA treatment.
7. Outline the lifestyle modifications and adjunctive therapies recommended along with pharmacological treatment for reflux esophagitis.

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