

MAY 2011

[KY 359]

Sub. Code: 2920

M.PHARM. DEGREE EXAMINATION
(Regulations 2010)
(Candidates admitted from 2010-2011 onwards)
FIRST YEAR
BRANCH VII – PHARMACY PRACTICE
PAPER II – PHARMACO THERAPEUTICS
(INCLUDING PATHOPHYSIOLOGY)

Q.P. Code : 262920

Time : Three hours

Maximum : 100 marks

Answer All questions

I. Essay Questions : (6 x 10 = 60)

- 1) Explain the principles of treatment of epilepsy and its dosing regimen.
- 2) Explain the different types of dialysis and their advantages and disadvantages.
- 3) Classify different types of anaemia and explain the pathophysiology of Iron deficiency anaemia.
- 4) Explain the etiology of solid tumors affecting various organs and the use of cytotoxic agents in their management
- 5) Give an account of Rheumatoid arthritis and its therapeutic management.
- 6) Discuss the Pathophysiology of Thyroid deficiency and their therapeutic management.

II. Write Short Notes : (8 x 5 = 40)

- 1) Anti fungal therapy.
- 2) Migraine.
- 3) Insulin of Human origin.
- 4) Oral contraceptives.
- 5) Inhalation therapy in Asthma.
- 6) Sleep disorders.
- 7) Psoriasis.
- 8) Anthelmintics.

October 2011

[KZ 359]

Sub. Code: 2920

M.PHARM. DEGREE EXAMINATION

FIRST YEAR

RANCH VII – PHARMACY PRACTICE

**PAPER II – PHARMACO THERAPEUTICS
(INCLUDING PATHOPHYSIOLOGY)**

Q.P. Code : 262920

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Discuss the trigger factors, pathogenesis and pharmacotherapy of Asthma.	17	40	20
2. Define hypertension. Discuss the JNC classification, pathogenesis, and management of Hypertension.	17	40	20

II. Write notes on :

1. Types of Anaemia.	4	10	6
2. Management of Diabetes with biguanides and alpha glucosidase inhibitors.	4	10	6
3. Treatment of Schizophrenia.	4	10	6
4. Opiates in pain management.	4	10	6
5. General prescribing guidelines in pregnancy.	4	10	6
6. Symptoms and management of Urinary Tract Infections.	4	10	6
7. Anti - tubercular drugs.	4	10	6
8. Management of Rheumatoid arthritis.	4	10	6
9. Treatment of Syphilis.	4	10	6
10. Pharmacotherapy of Peptic Ulcer Disease.	4	10	6

[LA 359]

MAY 2012

Sub. Code: 2920

M.PHARM. DEGREE EXAMINATION

FIRST YEAR

BRANCH VII – PHARMACY PRACTICE

PAPER II – PHARMACO THERAPEUTICS (INCLUDING
PATHOPHYSIOLOGY)

Q.P. Code: 262920

Time: 3 hours
(180 Min)

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 the different types of anaemia with their therapeutic management. | 17 | 40 | 20 |
| 2. Discuss the etiology, clinical manifestations and management of Chronic Renal Failure. | 17 | 40 | 20 |

II. Write notes on:

- | | | | |
|---|---|----|---|
| 1. Pathophysiology of COPD. | 4 | 10 | 6 |
| 2. Symptoms and management of Parkinson's disease. | 4 | 10 | 6 |
| 3. Management of Osteoarthritis. | 4 | 10 | 6 |
| 4. Types of Respiratory Tract Infections. | 4 | 10 | 6 |
| 5. Pathogenesis of Peptic Ulcer Disease. | 4 | 10 | 6 |
| 6. Use of Non Steroidal Anti Inflammatory agents in the management of Pain. | 4 | 10 | 6 |
| 7. General prescribing guidelines for geriatrics. | 4 | 10 | 6 |
| 8. Management of Glaucoma. | 4 | 10 | 6 |
| 9. Pharmacotherapy of Congestive Cardiac Failure | 4 | 10 | 6 |
| 10. Pharmacotherapy of Tuberculosis. | 4 | 10 | 6 |

[LB 359]

NOVEMBER 2012
M.PHARM. DEGREE EXAM
FIRST YEAR
BRANCH VII – PHARMACY PRACTICE
PAPER II – PHARMACO THERAPEUTICS (INCLUDING
PATHOPHYSIOLOGY)
Q.P. Code : 262920

Sub. Code: 2920

Time : 3 hours
(180 Min)

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Write on the clinical manifestations and the therapeutic measures taken in the treatment of chronic renal failure.	17	40	20
2. Write notes on			
a. Pathogenesis and treatment of peptic ulcer			
b. Different types of epileptic seizure and the treatment of epilepsy.	17	40	20

II. Write notes on :

1. Hypnotic drugs, their uses and adverse effects.	4	10	6
2. Megaloblastic anaemia	4	10	6
3. Drugs used for treating Chronic obstructive pulmonary disease.	4	10	6
4. Oral contraceptives.	4	10	6
5. Vaughan-Williams classification system of antiarrhythmic drugs.	4	10	6
6. DMARD therapy of rheumatoid arthritis.	4	10	6
7. Antihyperlipidemic drugs.	4	10	6
8. General prescribing guidelines for geriatric patients.	4	10	6
9. Skeletal muscle relaxants	4	10	6
10. Pathology of syphilis and gonorrhea.	4	10	6

[LC 359]

APRIL 2013

Sub. Code: 2920

M.PHARM. DEGREE EXAMS

FIRST YEAR

BRANCH VII – PHARMACY PRACTICE

PAPER II – PHARMACO THERAPEUTICS (INCLUDING
PATHOPHYSIOLOGY)

Q.P. Code : 262920

Time : 3 hours

Maximum : 100 marks

I. Elaborate on :

(2x20=40)

1. Describe about the governing factors of blood pressure in our body. Explain about causes, diagnosis, signs and symptoms and management of hypertension.
2. Discuss about the prevalence and causes of asthma in India. Explain about the pathophysiology and drug treatment for asthma.

II. Write notes on :

(10x6=60)

1. Drug induced renal diseases.
2. Classify antidepressants and explain about SSRI with examples and their advantages over other antidepressants.
3. Hepatitis and its management.
4. Diagnostic test for Tuberculosis and its treatment.
5. Cancer chemotherapy for breast cancer.
6. Explain about the advantages and disadvantages of recently introduced antidiabetic drugs over old drugs.
7. Treatment for long standing peptic ulcer.
8. Differentiate between stable and unstable angina and its management.
9. What are the common complications in HIV?
10. Pathophysiology of Alzheimer's disease.

[LD 359]

OCTOBER 2013

Sub. Code: 2920

M.PHARM. DEGREE EXAMINATIONS
FIRST YEAR
BRANCH VII – PHARMACY PRACTICE
PAPER II – PHARMACO THERAPEUTICS
(INCLUDING PATHOPHYSIOLOGY)

Q.P. Code : 262920

Time: Three Hours

Maximum: 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

(2 x 20 = 40)

1. Discuss the pathogenesis and treatment of Ischaemic heart diseases.
2. Discuss the Pathophysiology, drug treatment and monitoring the therapy in acquired immune deficiency syndrome.

II. Write notes on :

(10 x 6 = 60)

1. Antiepileptic drugs
2. Pulmonary function tests
3. Immunosuppressants
4. Therapeutics of Type II Diabetes
5. Proton pump inhibitors
6. Systemic therapy for psoriasis
7. Management of side effects in cancer chemotherapy
8. Classification and Pathophysiology of glaucoma
9. Schizophrenia and extrapyramidal side effects of antipsychotic drugs
10. General prescribing guidelines in pregnancy

[LE 359]

APRIL 2014

Sub. Code: 2920

**M.PHARM. DEGREE EXAMS
FIRST YEAR
BRANCH VII – PHARMACY PRACTICE
PAPER II – PHARMACO THERAPEUTICS (INCLUDING
PATHOPHYSIOLOGY)
Q.P. Code : 262920**

Time : 3 hours

Maximum : 100 marks

I. Elaborate on :

(2x20=40)

1. Explain the Pathophysiology, investigations and treatment of chronic obstructive pulmonary disease.
2. Write on the management of Type II diabetes and the long-term diabetic complications.

II. Write notes on :

(10x6=60)

1. Hormone replacement therapy
2. Alzheimer's disease
3. Antihyperlipidaemic drugs
4. Hyperkalemia
5. Clinical features and therapy of Iron deficiency anaemia
6. Antimigraine drugs
7. Inflammatory bowel diseases
8. General prescribing guidelines for paediatric patients
9. Pathological features and treatment of gout
10. Urinary tract infections

[LF 359]

OCTOBER 2014

Sub. Code: 2920

**M.PHARM. DEGREE EXAMINATION
FIRST YEAR
BRANCH VII – PHARMACY PRACTICE
PAPER II – PHARMACOTHERAPEUTICS
(INCLUDING PATHOPHYSIOLOGY)**

Q.P. Code : 262920

Time : Three hours

Maximum : 100 marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain the Pathophysiology and treatment of congestive cardiac failure.
2. Give an account of pathways and management of pain and inflammation.

II. Write notes on:

(10 x 6 = 60)

1. Megaloblastic anaemia.
2. Drug induced pulmonary diseases.
3. Oral contraceptives.
4. Hypnotic drugs.
5. DMARD therapy of rheumatoid arthritis.
6. Drug Treatment of Parkinson's disease.
7. General prescribing guidelines for geriatric patients.
8. Anti HIV drugs.
9. Pathogenesis of peptic ulcer.
10. Respiratory tract infections.

M.PHARM. DEGREE EXAMINATION
FIRST YEAR
BRANCH VII – PHARMACY PRACTICE
PAPER II – PHARMACO THERAPEUTICS
(INCLUDING PATHOPHYSIOLOGY)
Q.P. Code : 262920

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Elaborate on :

(2 x 20 = 40)

1. Discuss the trigger factors, pathogenesis and pharmacotherapy of Asthma.
2. Classify different types of Anaemia and explain the pathophysiology of Iron deficiency Anaemia.

II. Write notes on :

(10 x 6 = 60)

1. General prescribing guidelines for pediatric patients.
2. Use of Non Steroidal Anti Inflammatory agents in the management of Pain.
3. Pharmacotherapy of Tuberculosis.
4. Treatment of Schizophrenia.
5. Immunosuppressant.
6. Drugs used for treating Chronic Obstructive Pulmonary disease.
7. Pharmacotherapy of Congestive Cardiac Failure.
8. Antihyperlipidemic drugs.
9. Drug induced renal diseases.
10. Pharmacotherapy of Peptic ulcer.

[LH 359]

OCTOBER 2015

Sub. Code: 2920

**M.PHARM. DEGREE EXAMINATION
FIRST YEAR
BRANCH VII – PHARMACY PRACTICE
PAPER II – PHARMACOTHERAPEUTICS
(INCLUDING PATHOPHYSIOLOGY)**

Q.P. Code: 262920

Time: Three hours

Maximum: 100 marks

I. Elaborate on:

(2 x 20 = 40)

1. Classify Epileptic seizures, give the pathophysiology, clinical presentation and the general approach of treatment of Epilepsy.
2. Elaborate on the pathophysiology, clinical presentation and diagnostic aspects of Peptic ulcer disease. Also give the pharmacologic treatment of the same.

II. Write notes on:

(10 x 6 = 60)

1. Treatment of Open angle glaucoma.
2. Treatment of Meningitis.
3. Pharmacologic prophylaxis of Migraine.
4. Insulin Glargine.
5. Pathophysiology of Anemia.
6. Uric acid lowering therapy in Gouty arthritis.
7. Monoclonal antibodies in Colorectal cancer.
8. Treatment of Gonorrhea.
9. Treatment of Stable Angina.
10. Treatment of Hypertension in pregnancy.

[LI 359]

APRIL 2016

Sub. Code: 2920

**M.PHARM. DEGREE EXAMINATION
FIRST YEAR
BRANCH VII – PHARMACY PRACTICE
PAPER II – PHARMACOTHERAPEUTICS
(INCLUDING PATHOPHYSIOLOGY)**

Q.P. Code: 262920

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Give the Pathophysiology and clinical presentation of Parkinson's Disease. Classify Anti-parkinsonian medications and elaborate on the Pharmacologic treatment of the disease.
2. Elaborate on the Pathophysiology and clinical presentation of Ischemic Heart Disease and also give the Pharmacologic treatment of Stable Angina.

II. Write notes on:

(10 x 6 = 60)

1. Pathophysiology of Nociceptive Pain.
2. Drug regimen to eradicate *Helicobacter pylori*.
3. Valproic acid in Epilepsy.
4. Different methods of calculating Paediatric doses.
5. Pathophysiology of Glaucoma.
6. Renal replacement therapy in End Stage Kidney Disease.
7. Treatment of Venous Thromboembolism.
8. Sulfasalazine in Crohn's Disease.
9. Pathophysiology of Psoriasis.
10. Cognitive and Noncognitive symptoms of Alzheimer's Disease.

[LJ 359]

OCTOBER 2016

Sub. Code: 2920

**M.PHARM. DEGREE EXAMINATION
FIRST YEAR
BRANCH VII – PHARMACY PRACTICE
PAPER II – PHARMACOTHERAPEUTICS
(INCLUDING PATHOPHYSIOLOGY)**

Q.P. Code: 262920

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe the clinical manifestations of depression, bipolar disorder and Mania.
Discuss the treatment guidelines for depression of Mania.
2. Discuss the pathophysiology, applied therapeutic and drugs of choice in the management of a) Hypertension b) Chronic Renal Failure.

II. Write notes on:

(10 x 6 = 60)

1. Vaughan - Williams classification system of anti arrhythmic drugs.
2. Drug induced renal diseases.
3. Anti fungal therapy.
4. Thyroid deficiency and their therapeutic management.
5. Pulmonary function tests.
6. General prescribing guidelines in pregnancy.
7. Opiates in pain management.
8. Management of side effects in cancer chemotherapy.
9. Pharmacotherapy of Peptic Ulcer disease.
10. Systemic therapy of Psoriasis.

[LK 359]

MAY 2017

Sub. Code: 2920

**M.PHARM. DEGREE EXAMINATION
FIRST YEAR
BRANCH VII – PHARMACY PRACTICE
PAPER II – PHARMACOTHERAPEUTICS
(INCLUDING PATHOPHYSIOLOGY)**

Q.P. Code: 262920

Time: Three hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 20 = 40)**

1. Explain the pathophysiology and treatment of Congestive Cardiac Failure.
2. Classify different types of Anaemia and explain the Pathophysiology of Iron Deficiency Anaemia.

II. Write notes on: **(10 x 6 = 60)**

1. Hormone replacement therapy.
2. General prescribing guidelines for geriatrics.
3. Alzheimer's disease.
4. Pharmacotherapy of Tuberculosis.
5. Hepatitis and its management.
6. Hypnotic drugs.
7. Pathophysiology and drug treatment for Asthma.
8. Parkinson's disease.
9. Chemotherapy for Breast cancer.
10. Osteoporosis.

[LL 359]

OCTOBER 2017

Sub. Code: 2920

**M.PHARM. DEGREE EXAMINATION
FIRST YEAR
BRANCH VII – PHARMACY PRACTICE
PAPER II – PHARMACOTHERAPEUTICS
(INCLUDING PATHOPHYSIOLOGY)**

Q.P. Code: 262920

Time: Three hours

Maximum: 100 Marks

I. Elaborate on: (2 x 20 = 40)

1. Explain the pathophysiology, investigations and treatment of Chronic Obstructive Pulmonary Disease.
2. Give an account of pathways and management of Pain and inflammation.

II. Write notes on: (10 x 6 = 60)

1. General prescribing guidelines for pediatric patients.
2. Treatment of schizophrenia.
3. Pharmacotherapy of congestive cardiac failure.
4. Pathogenesis of Peptic ulcer disease.
5. DMARD therapy of Rheumatoid arthritis.
6. Anti-epileptic drugs.
7. Management of Glaucoma.
8. Oral contraceptives.
9. Anti HIV drugs.
10. Urinary tract infections.

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

[LM 359]

MAY 2018

Sub. Code: 2920

**M.PHARM. DEGREE EXAMINATION
FIRST YEAR
BRANCH VII – PHARMACY PRACTICE
PAPER II – PHARMACOTHERAPEUTICS
(INCLUDING PATHOPHYSIOLOGY)**

Q.P. Code: 262920

Time: Three hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 20 = 40)**

1. Describe about the governing factors of blood pressure in our body. Explain about causes, diagnosis, signs and symptoms and management of hypertension.
2. Discuss the etiology, clinical manifestations and management of Chronic Renal Failure.

II. Write notes on: **(10 x 6 = 60)**

1. Management of Type II Diabetes.
2. General prescribing guideline in pregnancy.
3. Treatment of Glaucoma.
4. Immunosuppressive agents.
5. Drugs used for treating Chronic Obstructive Pulmonary Disease.
6. Pathology of syphilis and Gonorrhoea.
7. Use of Non Steroidal Anti inflammatory.
8. Management of Osteoarthritis.
9. Megaloblastic anaemia.
10. Respiratory tract infections.

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

[LN 359]

OCTOBER 2018

Sub. Code: 2920

**M.PHARM. DEGREE EXAMINATION
FIRST YEAR
BRANCH VII – PHARMACY PRACTICE
PAPER II – PHARMACOTHERAPEUTICS
(INCLUDING PATHOPHYSIOLOGY)**

Q.P. Code: 262920

Time: Three hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 20 = 40)**

1. Discuss the pathophysiology and management of Type II Diabetes.
2. Define Asthma. Discuss the pathogenesis and stepwise management of Asthma.

II. Write notes on: **(10 x 6 = 60)**

1. Pathophysiology of Angina Pectoris.
2. Management of Anaemia
3. Pharmacotherapy of Gout.
4. General prescribing guidelines for Geriatrics.
5. Symptoms and management of Stroke.
6. Management of chronic renal failure.
7. Pharmacotherapy of Rheumatoid Arthritis.
8. Pathophysiology and clinical manifestations of Congestive Cardiac failure.
9. Basic principles of Cancer Chemotherapy.
10. Treatment of Glaucoma.

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

[LO 359]

MAY 2019

Sub. Code: 2920

**M.PHARM. DEGREE EXAMINATION
FIRST YEAR
BRANCH VII – PHARMACY PRACTICE
PAPER II – PHARMACOTHERAPEUTICS
(INCLUDING PATHOPHYSIOLOGY)**

Q.P. Code: 262920

Time: Three hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 20 = 40)**

1. Define hypertension. Discuss the JNC classification, pathogenesis, and management of Hypertension.
2. Explain the different types of anaemia with their therapeutic management.

II. Write notes on: **(10 x 6 = 60)**

1. Inhalation therapy in Asthma.
2. Sleep disorders.
3. Opiates in pain management.
4. General prescribing guidelines in pregnancy.
5. Immunosuppressant.
6. Drug induced renal diseases.
7. DMARD therapy of rheumatoid arthritis.
8. Management of side effects in cancer chemotherapy.
9. Vaughan-Williams classification system of antiarrhythmic drugs.
10. Treatment of Syphilis.

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

[LP 359]

OCTOBER 2019

Sub. Code: 2920

**M.PHARM. DEGREE EXAMINATION
FIRST YEAR
BRANCH VII – PHARMACY PRACTICE
PAPER II – PHARMACOTHERAPEUTICS
(INCLUDING PATHOPHYSIOLOGY)**

Q.P. Code: 262920

Time: Three hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 20 = 40)**

1. Discuss the causes, signs and symptom, pathophysiology and line of treatment for Ischemic Heart Disease.
2. Explain the pathogenesis and management of chronic obstructive pulmonary disease.

II. Write notes on: **(10 x 6 = 60)**

1. Management of Diabetes mellitus using DPP-4 inhibitors.
2. Anaemia evaluation and treatment in Iron deficiency.
3. Drug induced renal disorders.
4. Management of Hepatitis.
5. Prescribing guidelines for pediatric patients.
6. Management of Rheumatoid arthritis.
7. Pathophysiology of Urinary tract infection.
8. Syphilis-symptoms and therapy.
9. Pharmacotherapy of Schizophrenia.
10. Oral contraceptives.

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

[MPHARM 0122]

**JANUARY 2022
(APRIL 2021 EXAM SESSION)**

Sub. Code: 2920

**M.PHARMACY DEGREE EXAMINATION
FIRST YEAR
BRANCH VII – PHARMACY PRACTICE
PAPER II – PHARMACOTHERAPEUTICS (INCLUDING PATHOPHYSIOLOGY)
Q.P. Code: 262920**

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss the pathophysiology and management of Hypertension.
2. Explain the pathophysiology, symptoms and Pharmacotherapy of Acute Renal Failure.

II. Write notes on:

(10 x 6 = 60)

1. Pathophysiology of Asthma.
2. Management of Thyroid Diseases.
3. Treatment of Epilepsy.
4. Pharmacotherapy of Schizophrenia.
5. Pathophysiology of Peptic Ulcer.
6. Pharmacotherapy of Tuberculosis.
7. Management of Pain.
8. Treatment for Hyperlipidaemias.
9. General prescribing guidelines for Paediatrics.
10. Treatment of Psoriasis.
