

DOCTOR OF PHARMACY (PHARM. D) DEGREE EXAMINATION**THIRD YEAR****PAPER III – PHARMACOTHERAPEUTICS - II***Q.P. Code: 383815***Time: Three Hours****Maximum: 100 marks****Answer ALL questions in the same order.****I. Elaborate on :****Pages Time Marks
(Max.) (Max.) (Max.)**

- | | | | |
|---|----|---------|----|
| 1. Immune response to tuberculosis infection and Pharmacotherapy of tuberculosis infection. | 17 | 40 min. | 20 |
| 2. Classes of acute renal failure and their therapeutic management. | 17 | 40 min. | 20 |

II. Write notes on :

- | | | | |
|---|---|---------|---|
| 1. Various therapies for early breast cancer. | 4 | 10 min. | 6 |
| 2. Drugs used in uric acid lowering therapy. | 4 | 10 min. | 6 |
| 3. Etiopathogenesis of osteoarthritis. | 4 | 10 min. | 6 |
| 4. Invasion and metastasis in cancer. | 4 | 10 min. | 6 |
| 5. Types of Pneumonia. | 4 | 10 min. | 6 |
| 6. Scabies and its treatment. | 4 | 10 min. | 6 |
| 7. Empirical therapy of common pathogens causing urinary tract infection. | 4 | 10 min. | 6 |
| 8. Stages and clinical presentation of chronic renal failure. | 4 | 10 min. | 6 |
| 9. Etiopathogenesis and pharmacotherapy of spondylitis. | 4 | 10 min. | 6 |
| 10. Interruptions of cell cycle activity induced by anticancer drugs. | 4 | 10 min. | 6 |

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(Max.) (Max.) (Max.)**

1. a) Briefly discuss about Impetigo.

b) Etiology and treatment of Chronic Renal Failure 17 40 min. 20

2. a) Write note on HIV infections.

b) Discuss about etiology, classification and therapeutic management of Eczema. 17 40 min. 20

II. Write notes on :

1. Fungal infections: signs & symptoms and management. 4 10 min. 6

2. Discuss about leukemia. 4 10 min. 6

3. Pathogenesis of gout. 4 10 min. 6

4. Antimalarial drugs with mechanism and side effects. 4 10 min. 6

5. Give note on gonorrhoea. 4 10 min. 6

6. Discuss about therapy of tuberculosis. 4 10 min. 6

7. Therapeutic management of Meningitis. 4 10 min. 6

8. Classify psoriasis with clinical manifestation and diagnosis. 4 10 min. 6

9. Define and give etiology of acute renal failure. 4 10 min. 6

10. Therapy and clinical manifestation of urinary tract infection. 4 10 min. 6

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Pages (Max.)	Time (Max.)	Marks (Max.)
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- | | | | |
|---|----|---------|----|
| 1. Mechanisms of action of commonly used antineoplastic agents. | 17 | 40 min. | 20 |
| 2. Types of gout and drugs used in the treatment of gout. | 17 | 40 min. | 20 |

II. Write notes on :

- | | | | |
|--|---|---------|---|
| 1. Primary therapeutic agents used in tuberculosis. | 4 | 10 min. | 6 |
| 2. Hemodialysis and Peritoneal dialysis. | 4 | 10 min. | 6 |
| 3. Types of upper respiratory tract infection. | 4 | 10 min. | 6 |
| 4. Guidelines for rational use of antibiotics. | 4 | 10 min. | 6 |
| 5. Pharmacotherapy of malaria. | 4 | 10 min. | 6 |
| 6. Drugs used in the treatment of Psoriasis. | 4 | 10 min. | 6 |
| 7. Causes of diuretic resistance and its management. | 4 | 10 min. | 6 |
| 8. Non biological and biological disease modifying antirheumatic drugs. | 4 | 10 min. | 6 |
| 9. Treatment of common fungal opportunistic infection in HIV. | 4 | 10 min. | 6 |
| 10. Renal disorder induced by non steroidal anti-inflammatory drugs and corticosteroids. | 4 | 10 min. | 6 |

[LC 815]

APRIL 2013

Sub. Code: 3815

DOCTOR OF PHARMACY (PHARM. D) DEGREE EXAMINATION

THIRD YEAR

PAPER III – PHARMACOTHERAPEUTICS - II

Q.P. Code: 383815

Time: Three Hours

Maximum: 100 marks

Answer All questions

I. Elaborate on:

(2 x 20 = 40)

1. Pathogenesis of HIV infection and mechanisms of various drugs which inhibits cell cycle of HIV.
2. Management of chronic renal disease and its complications.

II. Write notes on:

(10 x 6 = 60)

1. Classes, common pathogens and initial treatment of chronic bronchitis.
2. Etiopathogenesis of gout.
3. Etiology and management of gastroenteritis.
4. Types of syphilis and recommended drug regimens.
5. Management of emesis induced by chemotherapy.
6. Impetigo and its treatment.
7. Pharmacotherapy of chronic myelogenous leukemia.
8. Stages of breast cancer.
9. Drugs used in the management of osteoarthritis.
10. Pharmacological management of systemic lupus erythematosus.

[LD 815]

OCTOBER 2013

Sub. Code: 3815

DOCTOR OF PHARMACY (PHARM. D) DEGREE EXAMINATION

THIRD YEAR

PAPER III – PHARMACOTHERAPEUTICS - II

Q.P. Code: 383815

Time: Three Hours

Maximum: 70 marks

Answer All questions

I. Elaborate on:

(2 x 20 = 40)

1. Discuss the etiology, detection and diagnosis ,Chemotherapy of cancer and toxicities of chemotherapeutic agents .
2. Compare and contrast acute renal failure versus chronic renal failure in terms of symptoms, complications and Pharmacotherapeutics.

II. Write notes on:

(10 x 3 = 30)

1. Therapeutic management of gonorrhoea.
2. Management of spondylitis
3. Prophylaxis of malaria.
4. Diuretic resistance.
5. Colchicine in gout.
6. Discuss the management of fungal disease.
7. Clinical presentation of Pneumonia.
8. Example for drug induced renal disorder.
9. Prevention of hepatitis B infection.
10. Non Pharmacologic Therapy for Psoriasis.

[LE 815]

APRIL 2014

Sub. Code: 3815

DOCTOR OF PHARMACY (PHARM. D) DEGREE EXAMINATION

THIRD YEAR

PAPER III – PHARMACOTHERAPEUTICS - II

Q.P. Code: 383815

Time: Three Hours

Maximum: 70 marks

Answer All questions

I. Elaborate on:

(2 x 20 = 40)

1. Discuss the general principles of treatment of AIDS.
Write the dosing regimens and side effects of anti AIDS drugs.
2. Discuss the pathophysiology of inflammation, use of nonsteroidal anti inflammatory agents especially in Rheumatoid arthritis.

II. Write notes on:

(10 x 3 = 30)

1. First Line topical therapy for psoriasis.
2. Treatment for bronchitis.
3. How Meningitis is investigated and treated.
4. Septicaemia.
5. Types of treatment for metastatic breast cancer.
6. Short notes on rational use of antibiotics.
7. Complications of chronic renal failure.
8. Examples for Viral infections.
9. Medications Commonly Used in the Treatment of Osteoarthritis.
10. Phototherapy and photo chemotherapy for psoriasis.

[LF 815]

OCTOBER 2014

Sub. Code: 3815

DOCTOR OF PHARMACY (PHARM. D) DEGREE EXAMINATION

(2009-2010 Regulation)

THIRD YEAR

PAPER III – PHARMACOTHERAPEUTICS - II

Q.P. Code: 383815

Time: Three Hours

Maximum: 70 marks

Answer All questions

I. Elaborate on:

(4 x 10 = 40)

1. Pharmacotherapy involved in chronic renal failure.
2. Basic principles of cancer therapy.
3. Clinical manifestations, diagnosis and management involved in psoriasis.
4. Guidelines for the rational use of antibiotics.

II. Write notes on:

(6 x 5 = 30)

1. Etiopathogenesis involved in urinary tract infection.
2. Anti malarial agents.
3. Brief note on opportunistic infections in HIV and its management.
4. Pharmacotherapy in rheumatoid arthritis.
5. Management of systemic lupus erythematosus.
6. Etiopathogenesis and clinical diagnosis involved in osteoarthritis.

[LG 815]

APRIL 2015

Sub. Code: 3815

DOCTOR OF PHARMACY (PHARM. D) DEGREE EXAMINATION

(2009-2010 Regulation)

THIRD YEAR

PAPER III – PHARMACOTHERAPEUTICS - II

Q.P. Code: 383815

Time: Three Hours

Maximum: 70 marks

Answer All questions

I. Elaborate on:

(4 x 10 = 40)

1. Etiopathogenesis and management involved in GOUT.
2. Write a note on renal dialysis.
3. Etiopathogenesis involved in tuberculosis.
4. Management of chemotherapy induced nausea and vomiting.

II. Write notes on:

(6 x 5 = 30)

1. Significance of cell cycle in cancer chemotherapy.
2. Chemotherapeutic agents involved in the treatment of breast cancer.
3. Stages and management involved in eczema.
4. Drug treatment involved in scabies.
5. Management of upper respiratory tract infections.
6. Etiology and types involved in acute renal failure.

[LH 815]

OCTOBER 2015

Sub. Code: 3815

PHARM. D DEGREE EXAMINATION

(2009-2010 Regulation)

THIRD YEAR

PAPER III – PHARMACOTHERAPEUTICS – I

Q.P. Code : 383815

Time: Three Hours

Maximum: 70 marks

Answer ALL questions

I. Elaborate on :

(4 x 10 = 40)

1. Types of respiratory tract infections and its management.
2. Management involved in acute renal failure.
3. Chemotherapy involved in breast cancer.
4. Etiopathogenesis and management involved in eczema.

II. Write notes on :

(6 x 5 = 30)

1. Pharmacotherapy of tuberculosis.
2. Management of syphilis.
3. Disease modified anti rheumatic agents.
4. Management involved in impetigo.
5. Treatment of psoriasis.
6. Drug induced renal disorders.

[LI 815]

APRIL 2016

Sub. Code: 3815

**PHARM. D DEGREE EXAMINATION
(2009-2010 Regulation)
THIRD YEAR
PAPER III – PHARMACOTHERAPEUTICS – II**

Q.P. Code : 383815

Time : Three hours

Maximum : 70 marks

I. Elaborate on :

(4 x 10 = 40)

1. Pharmacotherapy involved in Urinary tract infections.
2. Write the management of Osteoarthritis.
3. Discuss the Pharmacotherapy of Malaria.
4. Clinical manifestations and management involved in Endocarditis.

II. Write notes on :

(6 x 5 = 30)

1. Principles of Cancer therapy.
2. Drug induced Renal disorders.
3. Pharmacotherapy of Respiratory tract infections.
4. Pharmacotherapy involved in Leukemia.
5. Write a note on Rational Use of Antibiotics.
6. Opportunistic infections.

[LJ 815]

OCTOBER 2016

Sub. Code: 3815

PHARM. D DEGREE EXAMINATION
(2009-2010 Regulation)
THIRD YEAR
PAPER III – PHARMACOTHERAPEUTICS – II

Q.P. Code : 383815

Time : Three hours

Maximum : 70 marks

I. Elaborate on:

(4 x 10 = 40)

1. Etiopathogenesis and management involved in Lower respiratory tract infection.
2. Write a note on basic principles of cancer therapy.
3. Pathogenesis and management of HIV.
4. Write a note on rational use of antibiotics.

II. Write notes on:

(6 x 5 = 30)

1. Types of Dialysis.
2. Pharmacotherapy in Osteoarthritis.
3. Types of Impetigo and its treatment.
4. Management of Gastroenteritis.
5. Clinical manifestation and treatment for Meningitis.
6. Management involved in Septicemia.

[LK 815]

MAY 2017

Sub. Code: 3815

PHARM. D DEGREE EXAMINATION
(2009-2010 Regulation)
THIRD YEAR
PAPER III – PHARMACOTHERAPEUTICS – II

Q.P. Code: 383815

Time : Three hours

Maximum : 70 Marks

I. Elaborate on:

(4 x 10 = 40)

1. Management of Rheumatoid Arthritis.
2. Write a note on Renal dialysis.
3. Etiopathogenesis involved in Tuberculosis.
4. Management of chemotherapy induced nausea and vomiting.

II. Write notes on:

(6 x 5 = 30)

1. Significance of cell cycle in cancer chemotherapy.
2. Chemotherapeutic agents involved in the treatment of Breast cancer.
3. Stages and management involved in Eczema.
4. Drug treatment involved in Scabies.
5. Management of upper Respiratory tract infections.
6. Etiology and types involved in Acute Renal failure.

[LL 815]

OCTOBER 2017

Sub. Code: 3815

**PHARM. D DEGREE EXAMINATION
(2009-2010 Regulation)
THIRD YEAR
PAPER III – PHARMACOTHERAPEUTICS – II**

Q.P. Code: 383815

Time : Three hours

Maximum : 70 Marks

I. Elaborate on:

(4 x 10 = 40)

1. Clinical manifestations and management involved in Osteoarthritis.
2. Explain the pathophysiology of Malaria.
3. Etiopathogenesis and management involved in Chronic Renal failure.
4. Management involved in Urinary tract infections.

II. Write notes on:

(6 x 5 = 30)

1. Give a note on systemic Lupus Erythematosus.
2. Clinical manifestation of scabies.
3. Management of gastroenteritis.
4. Clinical manifestations of acquire Immuno deficiency syndrome.
5. Write a note on rational use of antibiotics.
6. Management of Rheumatoid arthritis.

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

[LM 815]

MAY 2018

Sub. Code: 3815

**PHARM. D DEGREE EXAMINATION
(2009-2010 Regulation)
THIRD YEAR
PAPER III – PHARMACOTHERAPEUTICS – II**

Q.P. Code: 383815

Time : Three hours

Maximum : 70 Marks

I. Elaborate on:

(4 x 10 = 40)

1. Clinical manifestations and management involved in Meningitis.
2. Explain the pathophysiology of Rheumatoid Arthritis and add a note on DMARDS.
3. Elaborate basic principles of Cancer Chemotherapy.
4. Describe briefly about Drug Induced Renal disorders.

II. Write notes on:

(6 x 5 = 30)

1. Give a note on opportunistic infections.
2. Clinical manifestation of Syphilis.
3. Pharmacotherapy of Urinary Tract Infections.
4. Topical agents in the management of Psoriasis.
5. Adverse effects with Anti-tubercular agents.
6. Management of Osteoarthritis.

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

[LN 815]

OCTOBER 2018

Sub. Code: 3815

**PHARM. D DEGREE EXAMINATION
(2009-2010 Regulation)
THIRD YEAR
PAPER III – PHARMACOTHERAPEUTICS – II**

Q.P. Code: 383815

Time : Three hours

Maximum : 70 Marks

I. Elaborate on:

(4 x 10 = 40)

1. Clinical manifestations and management involved in Endocarditis.
2. Explain the Pathophysiology of Gout.
3. Opportunistic infections in HIV.
4. Elaborate on the management of Acute Renal Failure.

II. Write notes on:

(6 x 5 = 30)

1. Give a note on Urinary Tract Infections.
2. Clinical types and manifestation of Eczema.
3. Discuss briefly about Septicemia.
4. Pharmacotherapy of Malaria.
5. Management of Rheumatoid Arthritis.
6. Write a note on Impetigo.

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

[LO 815]

MAY 2019

Sub. Code: 3815

**PHARM. D DEGREE EXAMINATION
(2009-2010 Regulation)
THIRD YEAR
PAPER III – PHARMACOTHERAPEUTICS – II**

Q.P. Code: 383815

Time : Three hours

Maximum : 70 Marks

I. Elaborate on:

(4 x 10 = 40)

1. Clinical manifestations and management involved in Osteoarthritis.
2. Explain the pathophysiology of Tuberculosis and add a note on its management in special population.
3. Elaborate Renal dialysis with a diagrammatic representation.
4. Management of Breast cancer.

II. Write notes on:

(6 x 5 = 30)

1. Management of Systemic Lupus Erythematosus.
2. Cytotoxic agents in Psoriasis.
3. Management of Gastroenteritis.
4. Pathogenesis of Acquired Immuno Deficiency syndrome.
5. Write a note on rational use of antibiotics.
6. DMARDS.

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

[LP 815]

OCTOBER 2019

Sub. Code: 3815

**PHARM. D DEGREE EXAMINATION
(2009-2010 Regulation)
THIRD YEAR
PAPER III – PHARMACOTHERAPEUTICS – II**

Q.P. Code: 383815

Time : Three hours

Maximum : 70 Marks

I. Elaborate on:

(4 x 10 = 40)

1. Guidelines on rational use of antibiotics.
2. Therapeutic management of Acute Renal Failure.
3. Discuss the types of Gout and its treatment.
4. Briefly describe the basic principles involved in cancer therapy.

II. Write notes on:

(6 x 5 = 30)

1. Pharmacotherapy of Osteoarthritis.
2. Spondylitis.
3. Gonorrhoea.
4. Management of Meningitis.
5. Diuretic resistance and its management.
6. Psoriasis.

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

[PHARMD 0321]

MARCH 2021

Sub. Code: 3815

(OCTOBER 2020 EXAM SESSION)

PHARM. 'D' DEGREE EXAMINATION

THIRD YEAR (2009-2010 Regulation)

PAPER III – PHARMACOTHERAPEUTICS - II

Q.P. Code : 383815

Time : Three hours

Maximum : 70 Marks

I. Elaborate on:

(4 x 10 = 40)

1. Write the clinical manifestation and management of Syphilis and Gonorrhoea.
2. Discuss in detail on Cancer Chemotherapeutic agents.
3. Explain the pathophysiology and management of Tuberculosis.
4. Discuss in detail on Lower respiratory tract infections and their management.

II. Write notes on:

(6 x 5 = 30)

1. Write about the management of Impetigo.
2. Management of Meningitis.
3. Drugs used to treat Acute renal failure.
4. Management of Scabies.
5. Write the pharmacotherapy of Malaria.
6. Pharmacotherapy of Gastroenteritis.

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

[PHARMD 0522]

MAY 2022

Sub. Code: 3815

(APRIL 2022 EXAM SESSION)

PHARM. 'D' DEGREE EXAMINATION

THIRD YEAR (2009-2010 Regulation)

PAPER III – PHARMACOTHERAPEUTICS - II

Q.P. Code : 383815

Time : Three hours

Maximum : 70 Marks

I. Elaborate on:

(4 x 10 = 40)

1. Define Eczema. Discuss the aetiology, classification and therapeutic management of Eczema.
2. Discuss in detail on the pathogenesis and management of Gout.
3. Discuss the pathogenesis and management of Meningitis.
4. Explain the different types and management of Leukemia.

II. Write notes on:

(6 x 5 = 30)

1. Explain Hemodialysis and Peritoneal dialysis.
2. Write the pharmacological management of Systemic Lupus Erythematosus.
3. Drugs used in the management of Rheumatoid Arthritis.
4. Management of Upper Respiratory Tract infections.
5. Write a note on Drug Induced Renal Disorders.
6. Write the management of chemotherapy induced Nausea and Emesis.

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

[PHARMD 1122]

**NOVEMBER 2022
(OCTOBER 2022 EXAM SESSION)**

Sub. Code: 3815

**PHARM. 'D' DEGREE EXAMINATION
THIRD YEAR (2009-2010 Regulation)
PAPER III – PHARMACOTHERAPEUTICS - II
Q.P. Code : 383815**

Time : Three hours

Maximum : 70 Marks

I. Elaborate on:

(4 x 10 = 40)

1. Explain in detail on the rational selection of prophylactic antibiotics in surgeries with suitable examples.
2. Write a detailed note on drug induced renal disorders. Mention the pharmacotherapeutic management and patient counseling for the same clinical conditions.
3. Discuss the principles involved in therapeutic approach to cancer. Write the chemotherapy of breast cancer.
4. Describe the etiopathogenesis and therapeutic managements of the dermatological disease psoriasis?

II. Write notes on:

(6 x 5 = 30)

1. Write the etiology, pathogenesis, and pharmacotherapy of the disease Syphilis?
2. What would be the objective evidences required for the treatment of gout and write the pharmacotherapy of gout.
3. Briefly discuss the principle and mechanism involved in Renal Dialysis.
4. Mention the treatment protocol for viral infections. Justify with suitable examples.
5. What do you know about HAART and DOT therapy?
6. Write the drug of choices and mention the duration of treatment for Methicillin susceptible and resistant endocarditis.

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

[PHARMD 0423]

APRIL 2023

Sub. Code: 3815

**PHARM. 'D' DEGREE EXAMINATION
THIRD YEAR (2009-2010 Regulation)
PAPER III – PHARMACOTHERAPEUTICS – II**

Q.P. Code: 383815

Time : Three hours

Answer ALL Questions

Maximum : 70 Marks

I. Elaborate on:

(4 x 10 = 40)

1. Write the etiopathogenesis and therapeutic management of HIV and opportunistic infection.
2. Discuss the Clinical manifestations and therapeutic management of Osteoarthritis.
3. Write a detailed note on systemic lupus erythematosus and its treatment.
4. Explain respiratory tract infections with relevant examples, discuss the etiopathogenesis and pharmacotherapy of any two respiratory tract infections.

II. Write notes on:

(6 x 5 = 30)

1. How cell cycle is so significant in cancer chemotherapy .Give an example of drugs which act upon different phases of cell cycle?
2. Write briefly on septicemia with sepsis- cascade pathway and mention the vasoactive drugs used in sepsis?
3. Write the pathogenesis of Rheumatoid Arthritis.
4. What is Eczema? How do you treat and counsel Eczema patients?
5. Write the Cockcroft and Gault equation for the estimation of creatinine clearance. Mention the intrinsic causes of acute renal failure.
6. Write a brief note on Gonorrhoea and its therapeutic management.
