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

[LM 985] MAY 2018 **Sub. Code:2985**

M.PHARM. DEGREE EXAMINATION
(PCI New regulations 2016)
SEMESTER-II
BRANCH–VI – PHARMACOLOGY – MPL
PAPER I – ADVANCED PHARMCOLOGY – II

Q.P. Code : 262985

Time : Three hours **Maximum : 75 Marks**

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

1. a) Classify anti – neoplastic agents with examples.
   b) Discuss the mechanism of action and adverse effect of Anti-metabolites.
   c) Write a note on radioactive isotopes.

2. a) Define Chronopharmacology. Explain about circardian rhythum.
   b) Write the application of chronotherapy in cardiovascular disease and diabetes.

II. Write notes on: **(7 x 5 = 35)**

1. Explain briefly about the development of antibacterial resistance to antimicrobials.
2. Write a note on drugs used in the treatment of helminthiasis.
3. Classify oral hypoglycemic agents with examples.
4. Discuss the immunosuppresants durgs.
5. Explain briefly the two uses of prokinetics.
6. Brief on the therapeutic uses and adverse effects of metronidazole.
7. Explain the role of free radicals in pharmacology.

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

[LN 985] NOVEMBER 2018 **Sub. Code:2985**

M.PHARM. DEGREE EXAMINATION
(PCI New regulations 2016)
SEMESTER-II
BRANCH–VI – PHARMACOLOGY – MPL
PAPER I – ADVANCED PHARMCOLOGY – II

Q.P. Code :262985

Time : Three hours **Maximum : 75 Marks**

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

1. Explain the synthesis, storage of Thyroid hormone. Write mechanism and pharmacological action of thyroid hormone.

2. Classification of Anti-cancer drugs. Write mechanism of action, therapeutic uses and adverse effects of folate antagonist.

II. Write notes on: **(7 x 5 = 35)**

1. Growth hormone.
2. β Lactam antibiotics.
3. Hypersensitive reaction.
4. Pharmacotherapy of Asthma.
5. H_2 Blocker drugs.
6. Application of chronotherapy in diabetes mellitus.
7. Recent advances in treatment of Parkinson's disease.

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

[LO 985] MAY 2019 **Sub. Code:2985**

M.PHARM. DEGREE EXAMINATION
(PCI New regulations 2016)
SEMESTER-II
BRANCH–VI – PHARMACOLOGY – MPL
PAPER I – ADVANCED PHARMCOLOGY – II

Q.P. Code :262985

Time : Three hours **Maximum : 75 Marks**

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

1. Write in details about molecular and cellular mechanism of action of growth hormone.

2. Define chemotherapy and write briefly about mechanism of action, therapeutic uses and adverse effects of Penicillin.

II. Write notes on: **(7 x 5 = 35)**

1. Drugs used for fungal diseases.
2. Drugs used in Protozoal infections.
3. Discuss about the Immunostimulants.
4. Write a note on drugs used in the treatment of ulcer.
5. Applications of chronotherapy in cardiovascular diseases.
6. Salbutamol.
7. Drugs for Constipation.

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

[LP 985] NOVEMBER 2019 **Sub. Code:2985**

M.PHARM. DEGREE EXAMINATION
(PCI New regulations 2016)
SEMESTER-II
BRANCH–VI – PHARMACOLOGY – MPL
PAPER I – ADVANCED PHARMCOLOGY – II

Q.P. Code : 262985

Time : Three hours **Maximum : 75 Marks**

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

1. Explain briefly about molecular and cellular mechanism of action of growth hormone.

2. Classify anti ulcer drugs. Write mode of action, toxicity therapeutic uses of proton pump inhibitor.

II. Write notes on: **(7 x 5 = 35)**

1. Write the biological clock and its significance.
2. Classify drugs used in T.B.
3. Classify anti thyroid drugs with example.
4. Classify antiemetic drugs with example.
5. Explain the use of clavulnic acid in combination with amoxicillin.
6. Immunosuppressant.
7. Anti oxidant.

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

[LQ 0121] JANUARY 2021 Sub. Code: 2985

(APRIL 2020 EXAM SESSION)

M.PHARMACY DEGREE EXAMINATION

SEMESTER-II (PCI New regulations 2016)

PHARMACOLOGY – MPL

PAPER I – ADVANCED PHARMCOLOGY – II

Q.P. Code : 262985

Time : Three hours **Answer ALL Questions** **Maximum : 75 Marks**

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

1. a) Classify antibiotics based on chemical structure with example.
   b) Describe the mechanism of action, spectrum of activity and therapeutic uses of fluoroquinolone antibiotics.

2. a) Elaborate the generation of free radicals.
   b) Describe the role of free radicals in etiopathology of neurodegenerative disease.
   c) Explain the recent advances in treatment of neurodegenerative diseases (Alzheimer's disease).

II. Write notes on: **(7 x 5 = 35)**

1. Explain the pharmacological action of calcineurin inhibitors.
2. Write about free radicals and its etiology in various diseases.
3. Classify anti-fungal drug and write the mechanism of action and adverse effect of Amphotericin β.
4. Insulin and its preparation.
5. Classify anti-tuberculosis drugs and explain the mechanism of action and therapeutic uses of Isoniazid.
6. Write the pharmacology of Anti-ulcer drugs.
7. Write a note on drugs affecting calcium regulation.

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

[MPHARM 0921] SEPTEMBER 2021 Sub. Code: 2985
(OCTOBER 2020 EXAM SESSION)

M.PHARMACY DEGREE EXAMINATION
SEMESTER-II (PCI New regulations 2016)
PHARMACOLOGY - MPL
PAPER I – ADVANCED PHARMCOLOGY - II
Q.P. Code : 262985

Time : Three hours **Answer ALL Questions** **Maximum : 75 Marks**

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

1. Classify Immuno suppressant drugs. Discuss the mechanism of action, Pharmacology, adverse effects, contraindications and clinical uses of methotrexate.

2. Classify Penicillin Antibiotics, write the MOA of Amoxicillin its clinical and adverse effects.

II. Write notes on: **(7 x 5 = 35)**

1. Write a note on Pharmacotherapy of COPD.
2. Write a note on Prokinetics.
3. Note on Beta lactamase inhibitors.
4. Significance of chronopharmacology and its applications.
5. Classify antithyroid drugs. Give an account of Thiouracil.
6. Trimethoprim.
7. Recent advances in the treatment of Cancer.

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

[MPHARM 0122] JANUARY 2022 Sub. Code: 2985
(APRIL 2021 EXAM SESSION)

M.PHARMACY DEGREE EXAMINATION
SEMESTER-II (PCI New regulations 2016)
PHARMACOLOGY - MPL
PAPER I – ADVANCED PHARMCOLOGY - II
Q.P. Code : 262985

Time : Three hours **Answer ALL Questions** **Maximum : 75 Marks**

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

1. Classify Oral antidiabetic drugs. Discuss the Pharmacology, mechanism of action, adverse effects, contraindications and clinical uses of Sulphonyl urea derivatives.

2. Explain in detail about the Bacterial resistance. Give example. Discuss the mechanism of action, Pharmacology, adverse effects, contraindications and clinical uses of Amino glycoside antibiotics.

II. Write notes on: **(7 x 5 = 35)**

1. Explain briefly about the oral contraceptives
2. Write a note on Biochemical mediators of inflammation.
3. 5 Fluoro Uracil.
4. Classify Bronchodilators, add a note on salbutamol.
5. INH & Rifampicin.
6. Classify Antiulcer drugs, add a note on Pantaprazole.
7. H.Pyroli therapy

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

[M.PHARM 0922] **SEPTEMBER 2022** **Sub. Code: 2985**
(APRIL 2022 EXAM SESSION)

M.PHARMACY DEGREE EXAMINATION
SEMESTER - II (PCI New regulations 2016)
PHARMACOLOGY - MPL
PAPER I – ADVANCED PHARMCOLOGY - II

Q.P. Code : 262985

Time : Three hours **Answer ALL Questions** **Maximum : 75 Marks**

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

1. a) Classify anti – neoplastic agents with examples.
   b) Discuss the mechanism of action and adverse effect of Alkylating agents.

2. Explain the synthesis, storage of Insulin hormone. Write mechanism and pharmacological action of Biguanides.

II. Write notes on: **(7 x 5 = 35)**

1. β Lactam antibiotics.
2. Oral contraceptives.
3. Write a note on drugs used in the treatment of helminthiasis.
4. Pharmacotherapy of Asthma.
5. Classify Anti Tuberculosis drug.
6. Recent advances in treatment of Parkinson's disease.
7. Non-nucleoside Reverse Transcriptase Inhibitors (NNRTI).

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

[M.PHARM 0423] APRIL 2023 Sub. Code: 2985
(OCTOBER 2022 EXAM SESSION)

M.PHARMACY DEGREE EXAMINATION
SEMESTER - II (PCI New regulations 2016)
PHARMACOLOGY - MPL
PAPER I – ADVANCED PHARMACOLOGY - II

Q.P. Code: 262985

Time : Three hours **Answer ALL Questions** **Maximum : 75 Marks**

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

1. a) Classify Beta Lactam antibiotics. Describe the mechanism of action, therapeutic uses and adverse effects of Amoxycillin.

   b) What are Beta Lactamase inhibitors and what are their advantages?

2. Classify Antacides and H.pylori drugs used, write the MOA of Pantaprazole.

II. Write notes on: **(7 x 5 = 35)**

1. Therapeutic uses and adverse effects of metronidazole.
2. Hypersensitive reaction.
3. Prokinetic drugs.
4. Discuss about the Immunostimulants.
5. Application of chronotherapy in Asthma.
6. Discuss the mechanism of Nucloside Reverse Transcriptase Inhibitors.
7. Role of oxidative stress in Alzheimer's disease.

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

[M.PHARM 0823] **AUGUST 2023** **Sub. Code: 2985**
(APRIL 2023 EXAM SESSION)

M.PHARMACY DEGREE EXAMINATION
SEMESTER - II (PCI New Regulations 2016)
PHARMACOLOGY - MPL
PAPER I – ADVANCED PHARMACOLOGY - II

Q.P. Code: 262985

Time : Three hours **Answer ALL Questions** **Maximum : 75 Marks**

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

1. Write in detail about biosynthesis and pharmacological action of Thyroxin.

2. Explain briefly about Chemotherapy of cancer.

II. Write notes on: **(7 x 5 = 35)**

1. Drugs used for viral diseases.
2. Drugs used in Helminthiasis infections.
3. H_1 Blocker drugs.
4. Write a note on drugs used in the treatment of ulcer.
5. Anti emetics.
6. Pharmacotherapy of Asthma.
7. Role of free radicals in etiopathology of Alzheimer's diseases and its prevention.

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

[M.PHARM 1223] DECEMBER 2023 Sub. Code: 2985
(OCTOBER 2023 EXAM SESSION)

M.PHARMACY DEGREE EXAMINATION
SEMESTER - II (PCI New Regulations 2016)
PHARMACOLOGY - MPL
PAPER I – ADVANCED PHARMACOLOGY - II

Q.P. Code: 262985

Time: Three hours **Answer ALL Questions** **Maximum: 75 Marks**

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

1. Classify oral hypoglycemic agent and explain pharmacology, therapeutic uses of sulfonyl urea drugs.

2. Classify Antacides. Describe the pharmacology of proton pump inhibitors and H2 blockers.

II. Write notes on: **(7 x 5 = 35)**

1. Macrolide Antibiotics.
2. Anti-thyroid drugs.
3. Cyclosporine.
4. $5HT_3$ Antagonists.
5. Anti-Asthmatic.
6. Application of chronotherapy in Treatment of diseases.
7. Write the therapeutic uses and side effect of Glucocorticoids.

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