

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

[BPHARM 0321]

MARCH 2021

Sub. Code: 2061

(SEPTEMBER 2020 EXAM SESSION)

B. PHARMACY DEGREE EXAMINATION

PCI Regulation SEMESTER – VI

PAPER II – PHARMACOLOGY III

Q.P. Code : 562061

Time: Three hours

Maximum: 75 Marks

I. Elaborate on: Answer any TWO questions.

(2 x 10 = 20)

1. Classification of anti-tubercular drugs. Describe briefly the mechanism of action, adverse drug reaction and therapeutic uses of Isoniazid.
2. Classify anti-emetic drugs. Write the mechanism of action, adverse effects and uses of prokinetic agents.
3. Classify the Immuno suppressants. Write in detail about the mechanism of action, adverse effects and therapeutic uses of Cyclosporine.

II. Write notes on: Answer any SEVEN questions.

(7 x 5 = 35)

1. Types of monoclonal antibodies and its application.
2. Mechanism of action and uses of beta lactamase inhibitors
3. Write a note on proton pump inhibitors.
4. Enumerate newer macrolide antibiotics and its mechanism of action and uses.
5. Give brief account on anti- Helicobacter pylori regimen.
6. Write a note on drugs used in prophylaxis of malaria.
7. What is cotrimoxazole? Give its therapeutic uses and mechanism of action.
8. Write a note on natural anti cancer drugs.
9. Write a note on Dimercaprol.

III. Short answers on: Answer ALL questions.

(10 x 2 = 20)

1. Spectrum of action and uses of monobactam.
2. Why antacid should not be given with sucralfate in the treatment of peptic ulcer disease.
3. How does vancomycin produce “Red man syndrome”.
4. Symptoms and treatment of Mercury poisoning.
5. Circadian rhythm and its influence in Chrono therapeutics.
6. Give examples for osmotic purgatives and their uses.
7. Name two retroviral protease inhibitors.
8. Mention the drugs for urinary tract infection.
9. Adverse effect of Chloramphenicol.
10. Example of drugs for treating candidiasis.

[BPHARM 0921]

SEPTEMBER 2021
(SEPTEMBER 2020 EXAM SESSION)

Sub. Code: 2061

B.PHARM. DEGREE EXAMINATION
PCI Regulation 2017 – SEMESTER VI
PAPER II – PHARMACOLOGY III
Q.P. Code : 562061

Time: Three hours

Maximum: 75 Marks

I. Elaborate on: Answer any TWO questions. (2 x 10 = 20)

1. Classify anti-asthmatic drugs. Write the mechanism of action, pharmacological action and therapeutic uses of Theophylline.
2. Define anti-microbial agents, classify Penicillins. Explain the mechanism of action, adverse drug reaction and uses of Penicillin G.
3. Classify the anti-malarial drugs. Write in detail about the mechanism of action, adverse effects and therapeutic uses of Chloroquine.

II. Write notes on: Answer any SEVEN questions. (7 x 5 = 35)

1. Write a note on Expectorants
2. Mechanism of action and uses of proton pump inhibitors
3. Write a note on anti-diarrhoeal drugs
4. Classify aminoglycoside antibiotics. Write adverse effects and therapeutic uses of Gentamicin.
5. Mechanism of action and therapeutic uses of fluoroquinolones.
6. Explain treatment regimens in Tuberculosis.
7. Mechanism of action of antimetabolites.
8. Write a note on Immuno suppressants.
9. General principles in the treatment of poisoning

III. Short answers on: Answer ALL questions. (10 x 2 = 20)

1. Give examples of saline purgatives
2. Define carminatives and its uses.
3. Comment the usefulness of corticosteroid in autoimmune disorders.
4. Define the term carcinogenicity
5. Name two appetite stimulants
6. Give examples of antitussive agents
7. Enumerate two anthelmintic drugs.
8. Mention the drugs for herpes zoster infection.
9. What should be avoided when taking Tetracycline?
10. Microtubule damaging anti-cancer drugs

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

[BPHARM 0122]

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

Sub. Code: 2061

B.PHARMACY DEGREE COURSE (SEMESTER EXAMINATIONS)

PCI Regulation 2017 – SEMESTER VI

PAPER II – PHARMACOLOGY III

Q.P. Code : 562061

Time: Three hours

Maximum: 75 Marks

I. Elaborate on: Answer any TWO questions. (2 x 10 = 20)

1. Classify anti-ulcer drugs. Write the pharmacological action, mechanism of action and uses of H₂ receptor antagonist.
2. Classify Cephalosporin. Write the mechanism of action, adverse effects and uses of third generation cephalosporin drugs.
3. Discuss in detail about the classification of anti-cancer drugs. Write the mechanism of action, adverse drug reaction and uses of alkylating agents.

II. Write notes on: Answer any SEVEN questions. (7 x 5 = 35)

1. Give brief account on Griseofulvin.
2. Mechanism of action, drug interaction and uses of streptomycin.
3. Classify the drugs used in the therapy of constipation and add a note on mechanism of action.
4. Classify anti-retro viral drugs. Write adverse effects and therapeutic uses of zidovudine.
5. Write a note on Diloxanide furoate.
6. Write short notes on Artemisinin derivatives.
7. Mechanism of action and uses of sulphamethaxazole.
8. Classify heavy metals poisoning and its antagonist.
9. Define Biological clock and its significance.

III. Short answers on: Answer ALL questions. (10 x 2 = 20)

1. Name two Mast cell stabilizers.
2. Mention the non-systemic antacids which neutralize the gastric acid secretion.
3. Define Teratogenicity and give two examples of drug causing teratogenicity.
4. Example for drugs used in the management of emesis.
5. Why is clofazimine used as a component of multidrug therapy in leprosy?
6. Name two antifungal antibiotics.
7. Therapeutic uses of Metronidazole.
8. Mention any two drugs for urinary tract infection.
9. Rationale of using Levamisole as immunostimulant.
10. Common adverse drug reaction associated with the use of anticancer drugs.

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

[BPHARM 0522]

MAY 2022

Sub. Code: 2061

(SEPTEMBER 2021 EXAM SESSION)

B. PHARMACY DEGREE EXAMINATION

PCI Regulation SEMESTER - VI

PAPER II – PHARMACOLOGY III

Q.P. Code : 562061

Time: Three hours

Maximum: 75 Marks

I. Elaborate on: Answer any TWO questions.

(2 x 10 = 20)

1. Classify anti-asthmatic drugs. Write the pharmacological actions, ADR and therapeutic uses of selective Beta₂ (β_2)-agonists.
2. Classify Anti-ulcer agents. Write the pharmacological actions, adverse effects and therapeutic uses of proton pump inhibitors.
3. Classify Anti-neoplastic agents. Discuss the Mechanism of action, adverse drug reaction, therapeutics uses of alkylating agents.

II. Write notes on: Answer any SEVEN questions.

(7 x 5 = 35)

1. Mast cell stabilizers.
2. Define and classify Laxatives. Mention its uses. Discuss the mechanism of Bulk and Stimulant Purgatives.
3. 5HT₃ antagonists.
4. Anti-leprotic drugs.
5. Cyclosporine
6. Signs and treatment of Arsenic poisoning.
7. Cotrimoxazole
8. Write short notes on protease inhibitors.
9. Write a note on chemotherapy of Sexually Transmitted Diseases

III. Short answers on: Answer ALL questions.

(10 x 2 = 20)

1. What is status asthmaticus? Site the drug of choice?
2. Name two mucolytics.
3. Define prokinetics with examples.
4. Name two appetite stimulants.
5. Examples for Beta lactamase inhibitor.
6. List out the toxicities of Aminoglycoside antibiotics.
7. Comment the usefulness of Sulfasalazine in inflammatory bowel disease.
8. Side effects of Metronidazole.
9. Chronotherapy.
10. What is the antidote for lead poisoning?

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

[BPHARM 1022]

**OCTOBER 2022
(MARCH 2022 EXAM SESSION)**

Sub. Code: 2061

B.PHARMACY DEGREE COURSE (SEMESTER EXAMINATIONS)

PCI Regulation 2017 – SEMESTER VI

PAPER II – PHARMACOLOGY III

Q.P. Code : 562061

Time: Three hours

Maximum: 75 Marks

I. Elaborate on: Answer any TWO questions. (2 x 10 = 20)

1. Classify Anti-ulcer agents. Describe the pharmacology of proton pump inhibitors and H₂ receptor blockers.
2. Classify Anti-cancer agents. Write the mechanism of Alkylating Agents.
3. a) Classify antiasthmatic drugs.
b) Mechanism of action of fluoroquinolones.

II. Write notes on: Answer any SEVEN questions. (7 x 5 = 35)

1. Bronchodilators.
2. Biological clock.
3. Discuss the symptoms and treatment of lead Poisoning.
4. Enumerate drugs used in urinary tract infection.
5. Mebendazole.
6. Explain briefly the general principles of Acute and chronic toxicity.
7. Discuss the mechanism of Nucleoside Reverse Transcriptase Inhibitors.
8. Classify Antidiarrhoeal Agents.
9. Classify Antiviral Agents.

III. Short answers on: Answer ALL questions. (10 x 2 = 20)

1. What are Immuno suppressants? Name two immuno suppressive drugs.
2. What are the Adverse effects of chloroquine?
3. Define the term Teratogenicity with example.
4. Name two drugs used in AIDS.
5. What are monoclonal antibodies?
6. Mast Cell Stabilizers.
7. What are appetite stimulants give examples.
8. Write the uses and adverse effects of macrolide antibiotics.
9. Write the antileprotic drugs.
10. Anti fungal antibiotics.

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

[B.PHARM 0323]

**MARCH 2023
(SEPTEMBER 2022 EXAM SESSION)**

Sub. Code: 2061

**B.PHARMACY DEGREE COURSE (SEMESTER EXAMINATIONS)
PCI Regulation 2017 – SEMESTER VI
PAPER II – PHARMACOLOGY III**

Q.P. Code: 562061

Time: Three hours

Maximum: 75 Marks

I. Elaborate on: Answer any TWO questions. (2 x 10 = 20)

1. Classify Anti-tubercular agents. Add a note on mechanism of action, pharmacological actions and adverse effects of Anti-tubercular drugs.
2. Classify cephalosporins. Write the mechanism of action, adverse effects and uses of cephalosporins.
3. a) Classify antitussive drugs.
b) Mechanism of action of cotrimoxazole.

II. Write notes on: Answer any SEVEN questions. (7 x 5 = 35)

1. Write the importance of chronotherapy with example.
2. Discuss the symptoms and treatment of arsenic poisoning.
3. Enumerate drugs used in sexually transmitted diseases.
4. Explain briefly about immunosuppressants.
5. Discuss the mechanism of Nucleoside Reverse Transcriptase Inhibitors.
6. Classify Anthelmintic Agents.
7. Nasal decongestants.
8. Bronchodilators.
9. Antimetabolites in cancer.

III. Short answers on: Answer ALL questions. (10 x 2 = 20)

1. What are Anti emetics?
2. Lepra reaction.
3. Define the term genotoxicity.
4. Name two drugs used in anti amoebic drugs.
5. What are antifungal antibiotics?
6. Mast cell stabilizers.
7. What are digestants give examples.
8. What are proton pump inhibitors?
9. Biological clock.
10. What are the adverse effects of amino glycoside antibiotics?

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

[B.PHARM 0823]

**AUGUST 2023
(MARCH 2023 EXAM SESSION)**

Sub. Code: 2061

**B.PHARMACY DEGREE COURSE (SEMESTER EXAMINATIONS)
PCI Regulation 2017 – SEMESTER VI
PAPER II – PHARMACOLOGY III**

Q.P. Code: 562061

Time: Three hours

Maximum: 75 Marks

I. Elaborate on: Answer any TWO questions. (2 x 10 = 20)

1. Mechanism of action, Spectrum of activity, adverse effects and uses of Fluoroquinolones.
2. Classify anti-emetics drugs. Describe the mechanism of action, therapeutic uses and adverse effects of D₂ receptor antagonists.
3. Classify Immunosuppressants. Describe the mechanism of action, therapeutic uses and adverse effects of cyclosporine.

II. Write notes on: Answer any SEVEN questions. (7 x 5 = 35)

1. Drugs used in the Treatment of Urinary Tract Infections.
2. Zidovudine.
3. Define asthma and write the pharmacological action of and therapeutic uses of theophylline.
4. Antacids.
5. Bacterial resistance.
6. What is the role of Vinca alkaloids in treatment of cancer?
7. Aminoglycoside Antibiotics.
8. Signs and treatment of morphine poisoning.
9. Proton Pump Inhibitors.

III. Short answers on: Answer ALL questions. (10 x 2 = 20)

1. Drugs used to treat Zollinger ellison syndrome.
2. Define anorexiant with examples.
3. Name two drugs that suppress dry cough.
4. Define acute and subacute toxicity studies.
5. Jet-lag.
6. Give example for Leukotriene Antagonist and write its uses.
7. Biosimilars.
8. Therapeutic Uses of Macrolide antibiotics.
9. Adverse effects of Tetracycline.
10. Mention the uses of Terbinafine.

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

[B.PHARM 1223]

**DECEMBER 2023
(SEPTEMBER 2023 EXAM SESSION)**

Sub. Code: 2061

**B.PHARMACY DEGREE COURSE (SEMESTER EXAMINATIONS)
PCI Regulation 2017 – SEMESTER VI
PAPER II – PHARMACOLOGY III**

Q.P. Code: 562061

Time: Three hours

Maximum: 75 Marks

I. Elaborate on: Answer any TWO questions. (2 x 10 = 20)

1. Classify Anti-tubercular drugs. Explain the mechanism of action, therapeutic uses, drugs interactions and adverse effect of Isoniazid and Rifampicin.
2. a) Write elaborately on the general principals in the treatment of poisoning.
b) Write notes on Heavy Metal Poisoning.
3. Classify beta-lactam antibiotics and describe mechanism of action, therapeutic uses and adverse effect of any two beta-lactam antibiotics.

II. Write notes on: Answer any SEVEN questions. (7 x 5 = 35)

1. What is cough? Explain the drugs used in the treatment of cough.
2. H₂ receptor antagonists.
3. Fluoroquinolones.
4. Classify Antiviral Agents. Discuss the mechanism of Nucleoside Reverse Transcriptase Inhibitors.
5. Anti-metabolites.
6. Write notes on Immunostimulants.
7. Define Chronopharmacology. Discuss the applications of Chronotherapeutics in the treatment of diseases.
8. Write the symptoms and treatment of Organophosphorus poisoning.
9. Anti-diarrhoeal drugs.

III. Short answers on: Answer ALL questions. (10 x 2 = 20)

1. Two examples of Nasal decongestants.
2. Write two examples of Antiulcer drugs.
3. What are respiratory stimulants? Give two examples.
4. Anti herpes drugs.
5. Adverse effect of chloroquine.
6. Name two antifungal antibiotics.
7. What is British Anti-Lewisite (BAL)? Write its therapeutic application.
8. Define the term lepra reaction.
9. Define the term carcinogenicity and mutagenicity.
10. Circadian rhythm.

B.PHARMACY DEGREE COURSE (SEMESTER EXAMINATIONS)
PCI Regulation 2017 – SEMESTER VI
PAPER II – PHARMACOLOGY III

Q.P. Code: 562061

Time: Three hours

Maximum: 75 Marks

I. Elaborate on: Answer any TWO questions. (2 x 10 = 20)

1. Classify Anti-malarial agents. Add a note on mechanism of action, pharmacological actions and adverse effects of any one drug.
2. Classify pencillins. Write the mechanism of action, adverse effects and uses of pencillins.
3. a) Classify antacids with examples.
b) Classify antidiarrhoeal drugs with example.

II. Write notes on: Answer any SEVEN questions. (7 x 5 = 35)

1. Mechanism of action of fluoroquinolones.
2. What are the general treatments of poisoning?
3. Classify antifungal drugs.
4. Explain briefly about immnosuppresants.
5. Discuss the mechanism of any one antiviral drug.
6. Classify Antiamoebic Agents.
7. What are biosimillars? Give example.
8. Bronchodilators.
9. Classify anti-cancer drugs.

III. Short answers on: Answer ALL questions. (10 x 2 = 20)

1. What are mucolytics?
2. Define the term mutagenicity.
3. Name two anthelmintic drugs.
4. What are the uses of sulphonamides?
5. Mast cell stabilizers.
6. What are digestants give examples.
7. Write the clinical uses of aminoglycoside antibiotics.
8. What are the drugs effective against H.Pylori?
9. What are Prokinetics? Give example.
10. Biological clock.

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

[B.PHARM 1024]

**OCTOBER 2024
(SEPTEMBER 2024 EXAM SESSION)**

Sub. Code: 2061

**B. PHARMACY DEGREE COURSE (SEMESTER EXAMINATIONS)
PCI Regulation 2017 – SEMESTER VI
PAPER II – PHARMACOLOGY III**

Q.P. Code: 562061

Time: Three hours

Maximum: 75 Marks

I. Elaborate on: Answer any TWO questions.

(2 x 10 = 20)

1. Classify anti-emetic drugs. Write the mechanism of action, adverse effects and uses of 5- Hydroxy Tryptamine receptor blockers.
2. Classify the anti-malarial drugs. Write in detail about the mechanism of action, adverse effects and therapeutic uses of artemisinin.
3. Classify anti-ulcer drugs. Write the pharmacological action, mechanism of action and uses of H₂ receptor antagonist.

II. Write notes on: Answer any SEVEN questions.

(7 x 5 = 35)

1. Define cotrimoxazole. Give its therapeutic uses and mechanism of action.
2. Write a note on Expectorants.
3. Give a note on anti-diarrhoeal drugs.
4. Classify antituberculosis drugs and describe the mechanism of action, therapeutic uses of it.
5. Short notes on types of chronopharmacology.
6. Describe mechanism of action and uses of mast cell stabilizers.
7. Give brief note on Immuno stimulants.
8. Write a note on Bronchodilators.
9. Write a note on Dimercaprol.

III. Short answers on: Answer ALL questions.

(10 x 2 = 20)

1. List out two retroviral protease inhibitors.
2. Adverse effect of Chloramphenicol.
3. Define the term carcinogenicity.
4. What is British Anti-Lewisite (BAL)? Write its therapeutic application.
5. List out any two-cough suppressants.
6. Lepra reaction.
7. Enlist two proton pump inhibitors and their uses.
8. Common adverse drug reactions associated with the use of anticancer drugs.
9. Symptoms and treatment of Mercury poisoning.
10. Examples for Beta lactamase inhibitor.

B. PHARMACY DEGREE COURSE (SEMESTER EXAMINATIONS)
PCI Regulation 2017 – SEMESTER VI
PAPER II – PHARMACOLOGY III

Q.P. Code: 562061

Time: Three hours

Maximum: 75 Marks

I. Elaborate on: Answer any TWO questions. (2 x 10 = 20)

1. Classify the anti-viral drugs. Write in detail about the mechanism of action, adverse effects and therapeutic uses of Non Nucleotide Reverse Transcriptase inhibitors.
2. Classify anti-ulcer drugs. Write the pharmacological action, mechanism of action and uses of H₂ receptor antagonist.
3. Discuss in detail about the classification of anti-cancer drugs. Write the mechanism of action, adverse drug reaction and uses of antimetabolites.

II. Write notes on: Answer any SEVEN questions. (7 x 5 = 35)

1. Classify fluoroquinolones and Mechanism of action and uses.
2. Give a short note on beta lactamase inhibitors.
3. Describe the lead poisoning.
4. Describe the mechanism and uses of Immuno suppressant.
5. Short notes on types of toxicity studies.
6. Explain about anti-fungal drugs and its mechanism of action and uses.
7. Give brief note on antacid and its mechanism of action.
8. Write a note on anti emetic drugs.
9. Outline about circadian rhythm.

III. Short answers on: Answer ALL questions. (10 x 2 = 20)

1. Enlist two anti leprotic drugs.
2. Name two Mast cell stabilizers.
3. Therapeutic uses of Metronidazole.
4. Give two examples of mucolytics.
5. List out the toxicities of Aminoglycoside antibiotics.
6. Give examples of protease inhibitors.
7. What are monoclonal antibodies?
8. Mention the uses of Terbinafine.
9. Clotrimoxazole and its uses.
10. List any two drugs for COPD.
