



**AUGUST 2006**

**[KP 1515]**

**Sub. Code : 1515**

**B.N.Y.S. DEGREE EXAMINATION.**

**(New Regulations)**

**Second Year**

**Paper VII — BASIC PHARMACOLOGY**

**Time : Three hours**

**Maximum : 100 marks**

**Theory : Two hours and  
forty minutes**

**Theory : 80 marks**

**M.C.Q. : Twenty minutes**

**M.C.Q. : 20 marks**

**Answer ALL questions.**

**I. Long Essay :**

1. (a) Define "Drug". Write about the sources of drugs. (10)

(b) What is "Placebo"? Write about the factors modifying the effects of placebo. (10)

2. Routes of administration of drugs with examples. (15)

3. Define "Diuretics". Write about the classification of Diuretics with examples. (15)

**II. Write short notes : (6 × 5 = 30)**

1. What is Biotransformation? Write about the mechanisms involved in biotransformation of drugs.

2. Write about the "adverse reactions".

3. Types of "Antagonism" and its importance.

4. Classification and mechanism of action of local anaesthetics.

5. Mode of action, uses and toxicity of atropine.

6. Nicotinic acid and nicotinamide on pellagra.

**FEBRUARY 2007**  
**[KQ 1515]** **Sub. Code : 1515**

**B.N.Y.S. DEGREE EXAMINATION.**

(New Regulations)

Second Year

Paper VII — BASIC PHARMACOLOGY

Time : Three hours Maximum : 100 marks

Theory : Two hours and Theory : 80 marks  
forty minutes

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

I. Long Essay :

1. (a) Classify the drugs used in the treatment of Malaria.

(b) Explain the mechanism of action, uses and adverse effects Chloroquine.

(c) Mention the drugs used in the treatment of Chloroquine resistant Falciparum malaria.

(5 + 10 + 5 =20)

2. Classify the drugs used in peptic ulcer with examples. Write therapeutic uses and adverse Effects of Omeprazole. Write the basis for use of Triple drug regimen.  
(10 + 5 = 15)

3. Enumerate the common features of Aminoglycoside antibiotics. Name the Aminoglycosides Commonly used, Explain the mechanism of action, uses for any one.  
(5 + 10 =15)

II. Write Short notes on : (6 × 5 = 30)

1. Factors modifying Effects of a Drug.

2. Cotrimoxazole

3. Digoxin

4. Diphenhydramine

5. Combined oral contraceptive pills

6. Rifampicin.

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**AUGUST 2007**

**[KR 1515]**

**Sub. Code : 1515**

**B.N.Y.S. DEGREE EXAMINATION.**

**(New Regulations)**

**Second Year**

**Paper VII — BASIC PHARMACOLOGY**

**Time : Three hours**

**Maximum : 100 marks**

**Theory : Two hours and  
forty minutes**

**Theory : 80 marks**

**M.C.Q. : Twenty minutes**

**M.C.Q. : 20 marks**

**Answer ALL questions.**

**I. Long Essay : (2 × 15 = 30)**

**1. Classify nonopioid analgesic & anti-inflammatory drugs with examples. Explain the anti-inflammatory action, clinical uses and adverse effects of aspirin.**

**2. Classify the drugs in treatment of peptic ulcer with examples. Explain the mechanism of action, uses and adverse effects of Metoclopramide.**

**II. Write briefly :**

**(10 × 5 = 50)**

**1. Oral route of administration.**

**2. Oral contraceptive pills.**

**3. Chloroquine.**

**4. Cotrimoxazole.**

**5. Uses of anti-histamines.**

**6. Propranolol.**

**7. Insulin preparations.**

**8. Short course chemotherapy for tuberculosis.**

**9. Expectorants.**

**10. General principles in treatment of acute drug poisoning.**

FEBRUARY 2008

[KS 1515]

Sub. Code : 1515

B.N.Y.S. DEGREE EXAMINATION.

(New Regulations)

Second Year

Paper VII — BASIC PHARMACOLOGY

Q.P. Code : 821515

Time : Three hours

Maximum : 100 marks

Theory : Two hours and  
forty minutes

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

I. Long Essays : (2 × 15 = 30)

1. Explain briefly how drugs are biologically transformed. Discuss with examples how the genetic factor modify the drug metabolism.

2. Classify Sulphonamides. Discuss the mechanism of action, antimicrobial spectras. toxicity and uses of sulphonamides.

II. Short notes : (10 × 5 = 50)

1. Describe the mechanism of action of NSAIDs as analgesics and anti-inflammatory agents.

2. Describe the sequence of events in the transmission and conduction of nerve impulses across a peripheral advenergic nerve.

3. Alkylating agents.

4. Regulation of blood pressure and axiology of hypertension.

5. Penicillins.

6. Immunosuppressants.

7. Digitalis.

8. Drugs used in treatment of cough.

9. Uses and adverse effect of morphins.

10. Classify local anaesthetics. Mention the therapeutic uses of lignocaine.

August 2008

[KT 1515]

Sub. Code : 1515

B.N.Y.S. DEGREE EXAMINATION.

(New Regulations)

Second Year

Paper VII — BASIC PHARMACOLOGY

Q. P. Code : 821515

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

I. Long Essay : (2 × 15 = 30)

1. Write in detail about the management and pharmacotherapy of peptic ulcer.

2. Explain the pharmacological action, absorption, fate and excretion, toxicity, preparation and therapeutic uses of digitalis.

II. Short notes : (10 × 5 = 50)

1. Factors affecting drug absorption and its bio availability.

2. Drug therapy of rhinitis.

## August 2008

2. Rights and privileges of Registered medical practitioner.
  3. Medical records.
  4. Explain about the disposal techniques of bio medical waste.
  5. What are all the types of medico legal cases?
  6. Function of CSSD.
  7. Explain about the General atmosphere to be maintained in naturopathy hospital campus.
  8. Limitations of nature cure Hospital.
  9. Qualities of Therapist.
  10. Special features of Naturopathy and yoga Hospital.
6. Malingering.
  7. Casualty.
  8. Medical audit.
  9. Nosocomial.
  10. COPRA.

III. Write short answers : (10 × 2 = 20)

1. CGIM Act 1970.
2. Adultery.
3. Dichotomy.
4. Red cross emblem.
5. Vicarious liability.

FEBRUARY - 2009

**[KU 1515]**

**Sub. Code : 1515**

**B.N.Y.S. DEGREE EXAMINATION.**

(New Regulations)

Second Year

Paper VII — BASIC PHARMACOLOGY

Q.P. Code : 821515

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

I. Long Essay : (2 × 15 = 30)

1. Enumerate the routes of drug administration with example. Explain the factors affecting drug absorption of its bioavailability.

2. (a) Write in detail about the drugs used in diuretics.

(b) Classify the drugs used in the treatment of gout.

II. Short notes : (10 × 5 = 50)

1. Factors modifying drug action.

2. Lignocaine.



3. Proton pump inhibitors.
  4. Mode of action and uses of phenytoin sodium.
  5. Digitalis.
  6. Drugs used for Bronchial asthma.
  7. Principles management of diarrhoea and ORS composition.
  8. Mode of action of Gluco corticoids.
  9. Role of placebo.
  10. Quinines.
7. Salicylates.
  8. Effect of food on drug absorption.
  9. Riboflavine.
  10. Dexferrioxamine.
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III. Short answers :

(10 × 2 = 20)

1. Define analgesics.
2. Iatrogenic diseases.
3. Codeine.
4. Action of Nefedipine.
5. Advantages of sublingual route.
6. Anti Thyroid drugs.

August - 2009

**[KV 1515]**

**Sub. Code : 1515**

**B.N.Y.S. DEGREE EXAMINATION.**

**(New Regulations)**

**Second Year**

**Paper VII — BASIC PHARMACOLOGY**

**Q.P. Code : 821515**

**Time : Three hours**

**Maximum : 100 marks**

**Answer ALL questions.**

**I. Long Essay : (2 × 15 = 30)**

1. Explain briefly how drugs interact inside and outside the body and discuss with examples of drug dependence.

2. (a) Discuss the mechanism of action, pharmacological action, absorption, fate and excretion and adverse effect of insulin.

(b) Explain the factors modifying the action of insulin.

**II. Short notes : (10 × 5 = 50)**

1. Classify and explain antiseptics.

2. Statin.

3. Mechanism of action of a drug.

4. Status asthmaticus – pharmacotherapy.

5. ADH.

6. Drugs effective in rheumatoid arthritis.

7. Gastric antacids.

8. Immuno therapy.

9. Drugs used in the treatment of cardiac arrhythmias.

10. Drug excretion.

**III. Short answer : (10 × 2 = 20)**

1. Define Pharmacology.

2. Dermojet.

3. Stages of anaesthesia.

4. Define Chemotherapy.

5. Define Placebo.

6. Adverse effects of acetaminophen.

7. Drugs used in peptic ulcer.

8. Anti asthmatic drugs.

9. Tetracycline – Dosage and use.

10. Anti emetic drugs.

February 2010

[KW 1515]

Sub. Code: 1515

**B.N.Y.S DEGREE EXAMINATION.**

**(New Regulations)**

**Second Year**

**Paper VII – BASIC PHARMACOLOGY**

***Q.P. Code : 821515***

**Time : Three hours**

**Maximum : 100 marks**

**Answer ALL questions.**

**I. Long Essay:**

**(2 x 15 = 30)**

1. (a) Classify anticholinergic drugs with examples.  
(b) Describe the pharmacological actions, uses and toxicities of anticholinergic drugs.  
**(4 + 11 = 15)**
2. Enumerate the drugs used in hypertension according to their mechanism of action and discuss the pharmacology of drugs used in congestive heart failure. (Cardiac glycosides).

**II. Short Notes:**

**(10 x 5 = 50)**

1. Describe the mechanism of action of cotrimoxazole as an antibacterial agent.
2. Classify oral antidiabetics. Discuss briefly the mechanism of action of each category.
3. What are analgesics and anti inflammatory agents? Add a note on aspirin.
4. Outline the signs, symptoms and treatment of Barbiturate poisoning.
5. Classify local anaesthetics. Mention the therapeutic uses of lignocaine.
6. Define the following terms:  
(a) Neurotransmitter. (b) G-Proteins (c) Mydriasis (d) Pharmacodynamics  
(e) Volume of distribution.
7. Explain the major pharmacological actions of opioid agonists and list their clinical uses.
8. Write a neat diagram of nephron and mention the sites of action of various diuretics.
9. What are semisynthetic penicillins? Classify them and add a note on role of  $\beta$  lactamase inhibitors.
10. Write briefly on Omeprazole.

**III. Short Answers:**

**(10 x 2 = 20)**

1. Define the plasma half life of a drug.
  2. What is the common adverse reaction in insulin?
  3. Name two drugs which produces teratogenic action.
  4. Define the branch of pharmaco kinetics.
  5. What is the major side effect of streptomycin?
  6. What is the site of action for chlorpromazine?
  7. What is the drug of choice in hypertensive emergencies?
  8. What is the drug of choice of status epilepticus?
  9. Name two drugs which is to be avoided in peptic ulcer disease.
  10. Drug used in Leprosy.
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August 2010

[KX 1515]

Sub. Code: 1515

**B.N.Y.S. DEGREE EXAMINATION.**

**(New Regulations)**

**Second Year**

**Paper VII – BASIC PHARMACOLOGY**

*Q.P. Code : 821515*

**Time : Three hours**

**Maximum : 100 marks**

**Draw neat diagram wherever necessary.**

**Answer ALL questions.**

**I. Essay Questions:**

**(2 x 15 = 30)**

1. Routes of drug administration, absorption, distribution and fate of the drug.
2. Explain Anti hypertensive drugs in detail.

**II. Short Notes:**

**(10 x 5 = 50)**

1. Adverse effects of drugs.
2. Morphine.
3. Hepatotoxicity due to drugs.
4. Treatment for acute drug poisoning.
5. Frusemide.
6. Classification of “NSAID’s”
7. Lignocaine.
8. Anti histamines.
9. Adverse effects of Local Anaesthetics.
10. Salbutamol.

**III. Short Answers:**

**(10 x 2 = 20)**

1. Alkalinization of urine.
  2. Anti depressant drugs.
  3. Codeine.
  4. Liquid paraffin.
  5. Action of Nifedipine.
  6. Define placebo.
  7. Anti diarrhoeal drugs.
  8. Penicillin.
  9. Bronchodilators.
  10. Define Analgesics.
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**February 2011**

**[KY 1515]**

**Sub. Code : 1515**

B.N.Y.S. DEGREE EXAMINATION.

(New Regulations)

Second Year

Paper VII — BASIC PHARMACOLOGY

Q.P. Code : 821515

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

- I. Essay questions : (2 × 15 = 30)
1. Classify NSAIDs. Discuss the mechanism of action, pharmacological action, adverse effects, drug interactions, contraindication and therapeutic uses of Aspirin.
  2. Classify antifolate drugs. Discuss the mechanism of action, resistance, adverse effects, toxicity, therapeutic uses of Sulfonamides and Trimethoprim
- II. Short notes : (10 × 5 = 50)
1. Bioavailability.
  2. Atropine.
  3. Benzodiazepines.
  4. High ceiling diuretics.
  5. Digitalis.
  6. Morphine.
  7. Penicillins.
  8. Tetracyclines.
  9. INH.
  10. Streptomycin.
- III. Short Answers : (10 × 2 = 20)
1. Define Receptor.
  2. List the major phase I and phase II metabolic reactions.

3. Give suitable two antidotes for Organophosphate insecticide poisoning.
  4. Mention two contraindications of beta blockers..
  5. Give two uses of barbiturates.
  6. Give an example for drugs directly acting on the skeletal muscle.
  7. Mention the common toxicities due to aminoglycosidal antibiotics.
  8. Write two uses of metronidazole.
  9. What is triple response?
  10. Mention two common adverse effects of anticancer drugs.
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February 2012

[LA 1515]

Sub. Code: 1515

**B.N.Y.S. DEGREE EXAMINATION.**  
**Second Year**  
**Paper VII- BASIC PHARMACOLOGY**  
**Q.P. Code: 821515**

**Time: Three Hours**

**Maximum: 100 marks**

**Answer ALL questions**

**I. Elaborate on:** (2x15=30)

1. The Pharmacological action, absorption fate, excretion, toxicity, preparation and therapeutic uses of digitalis
2. Enumerate the routes of drug administration with example. Explain the factors affecting drug absorption and its bioavailability.

**II. Write notes on:** (10x5=50)

1. Ampicilline
2. Atropine
3. Nicotinic and nicotinamide on pellagra
4. Types of antagonism and its importance
5. Write about the “adverse reactions”
6. Factors modifying effects of a drug
7. Drug therapy of rhinitis
8. Dosage and adverse effects of Levodopa
9. Insulin and oral antidiabetic drug
10. Role of placebo

**III. Short Answers** (10x2=20)

1. Anti thyroid drugs
2. What is triple response
3. Write two uses of barbiturates
4. Reboflavin
5. Salicylates
6. LSD
7. Sulfonamides
8. Combined oral contraceptive pills
9. Rifampicine
10. Define receptor

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[LB 1515]

Sub. Code: 1515

SECOND B.N.Y.S. DEGREE EXAM – AUGUST 2012

PAPER–VII BASIC PHARMACOLOGY

*Q.P. Code: 821515*

**Time: 180 Minutes**

**Maximum: 100 marks**

**Answer ALL questions**

**I. Elaborate on:**

**Pages Time Marks  
(Max.)(Max.)(Max.)**

- |  |    |    |    |
|--|----|----|----|
| 1. Enumerate the common features of Aminoglycoside antibiotics. Name the aminoglycosides commonly used. Explain the mechanism of action, uses for any one. | 16 | 25 | 15 |
| 2. a. Write in detail about the drugs used in diuretics.<br>b. Classify the drugs used in treatment of Gout.   | 16 | 25 | 15 |

**II. Short notes on:**

- |                                   |   |   |   |
|-----------------------------------|---|---|---|
| 1. Bioavailability.               | 3 | 8 | 5 |
| 2. INH.                           | 3 | 8 | 5 |
| 3. Lignocaine.                    | 3 | 8 | 5 |
| 4. Factors modifying drug action. | 3 | 8 | 5 |
| 5. Drugs used for Asthma.         | 3 | 8 | 5 |
| 6. Protein pump inhibitors.       | 3 | 8 | 5 |
| 7. Atropine.                      | 3 | 8 | 5 |
| 8. Routes of drug administration. | 3 | 8 | 5 |
| 9. Tetracycline.                  | 3 | 8 | 5 |
| 10. Streptomycin.                 | 3 | 8 | 5 |

**III. Short Answers on:**

- |  |   |   |   |
|--|---|---|---|
| 1. Triple response.                              | 1 | 5 | 2 |
| 2. LSD.  | 1 | 5 | 2 |
| 3. Riboflavin.                                   | 1 | 5 | 2 |
| 4. Write two uses of barbiturates.               | 1 | 5 | 2 |
| 5. Advantages of sublingual route.               | 1 | 5 | 2 |
| 6. Effect of food on drug absorption.            | 1 | 5 | 2 |
| 7. Rifampicin.                                   | 1 | 5 | 2 |
| 8. Digoxin.                                      | 1 | 5 | 2 |
| 9. Factors modifying effects of a drug.          | 1 | 5 | 2 |
| 10. Nicotinic acid and Nicotinamide on pellagra. | 1 | 5 | 2 |

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[LC 1515]

SUB. CODE : 1515

SECOND B.N.Y.S DEGREE EXAM - FEBRUARY 2013

PAPER VII : BASIC PHARMACOLOGY

Q.P. CODE : 821515

Time: 3 hours:

Maximum: 100 Marks

ANSWER ALL QUESTIONS

**I.Essay Questions:**

**(2x15=30)**

1. Various Routes of administration of drugs.
2. What are analgesic classify them write the pharmacological action, pharmacokinetics, Adverse reaction therapeutic uses and dose of aspirin.

**II.Short Notes:**

**(10x5=50)**

1. Factors modifying the effect of drug.
2. Classify local anaesthetic. Write the mechanism of action, adverse effect therapeutic uses of lignocaine.
3. Classify anti-parkinsonism drugs write the mechanism of action and adverse reaction of L.Dopa
4. Drugs used in Bronchial Asthma.
5. Classify antihypertensive drugs. Write about calcium channel blockers.
6. Classify Diuretics. Write in detail about it.
7. What are purgatives. Classify and write the mechanism of osmotic purgatives.
8. Chemotherapy of malaria.
9. Oral contraceptives
10. Drugs used in treatment of Rheumatoid Arthritis.

**III.Short Answers:**

**(10x2=20)**

1. Megaloblastic anemia
2. Antithyroid drugs
3. Fluroquinolines
4. Proton pump inhibitor
5. Treatment of acute iron poisoning
6. Antianginal drugs
7. Uses of Antihistamins
8. MAO inhibitors
9. Placebo
10. Tolerance.

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[LD 1515]

SUB. CODE : 1515

SECOND B.N.Y.S DEGREE EXAM - AUGUST 2013

PAPER VII : BASIC PHARMACOLOGY

Q.P. CODE : 821515

Time: 3 hours:

Maximum: 100 Marks

ANSWER ALL QUESTIONS

**I.Essay Questions:** (2x15=30)

1. Classify anticancer drugs. Write in detail about the antimetabolites.
2. Classify antihypertensive drugs. Write the mechanism of action, adverse effect and does of any two of the classification.

**II.Short Notes:** (10x5=50)

1. Adverse drugs reactions.
2. Types of shock and their treatment.
3. Chemotherapy of malaria.
4. Treatment of bronchial Asthma.
5. Write in detail about the skeletal muscle relaxants.
6. Classify antihistamines. Write a mechanism of action, therapeutic uses and adverse reactions of antihistamines.
7. Drugs used in NIDDM.
8. Write in detail about local anaesthesia.
9. Write in detail about the antiulcer drugs.
10. What are analgesics? Write the pharmacological action, adverse effects, therapeutic uses and dose of morphine.

**III.Short Answers:** (10x2=20)

1. Bioavailability
2. Clinical pharmacology
3. Neuroleptanalgesia
4. Uses of Atropine
5. Oximes
6. Drugs used in gout
7. Drugs used in iron poisoning.
8. Uses of metronidazole.
9. Diethylcarbamazine.
10. Define disinfectant and antiseptic. Give examples.

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[LE 1515]

FEBRUARY 2014

Sub.Code :1515

**SECOND YEAR B.N.Y.S. DEGREE EXAM**

**PAPER VII – BASIC PHARMACOLOGY**

*Q.P. Code : 821515*

**Time: Three hours**

**Maximum : 100 Marks**

**Answer All questions**

**I. Essay Questions 2 x15 = 30**

1. Classification of coagulants and anticoagulants
2. Classification of Anti hypertensive drugs

**II. Short notes 10x5=50**

1. Drug therapy of bronchial asthma
2. What are analgesics and anti inflammatory agents? Add a note on aspirin.
3. Classification of diuretics
4. Classification of laxatives
5. Classify the drugs used in peptic ulcer
6. Classification of “NSAID’s”
7. Classifications of antibiotics with example
8. Benzodiazepines.
9. Classification of oral anti diabetics
10. Anti- diarrhoeals

**III. Short answers 10x2=20**

1. What is triple response?
2. What is the drug of choice in hypertensive emergencies?
3. What is the common adverse reaction in insulin?
4. Write two uses and dosage of metronidazole.
5. Mention two common adverse effects of anticancer drugs.
6. Drugs effective in iron deficiency anemia
7. Drugs used in atherosclerosis
8. What is the drug of choice of status epilepticus?
9. Drug used in Leprosy
10. Give two uses of barbiturates.

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**SECOND B.N.Y.S. DEGREE EXAMINATION**

**PAPER VII – BASIC PHARMACOLOGY**

*Q.P. Code : 821515*

**Time: Three Hours**

**Maximum : 100 Marks**

**Answer All questions**

**I. Essay Questions:**

**(2 x 15 = 30)**

1. Classification of oral anti diabetic drugs and write on administration of Insulin (Human) in diabetes management.
2. Factors modifying drug action.

**II. Write Notes on:**

**(10 x 5 = 50)**

1. Drugs Used in the treatment of Cough.
2. Classification of diuretics.
3. What are analgesics and anti-inflammatory agents?
4. Note on Morphine.
5. Classification of laxatives.
6. Methods of prolonging drug action.
7. Classify the drugs used in peptic ulcer.
8. Classification of Coagulants.
9. Anti-diarrhoeals.
10. Main sources of Drugs.

**III. Short Answers on:**

**(10 x 2 = 20)**

1. Note on penicillin.
2. What is triple response?
3. Carminatives.
4. Main divisions of pharmacology.
5. What is the common adverse reaction of insulin?
6. Write two uses of metronidazole.
7. Mention two common adverse effects of anticancer drugs.
8. Drug used in Leprosy.
9. Give two uses of barbiturates.
10. Lactobacillus.

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[LH 1515]

AUGUST 2015

Sub. Code: 1515

**SECOND B.N.Y.S. DEGREE EXAMINATION**

**PAPER VII – BASIC PHARMACOLOGY**

*Q.P. Code : 821515*

**Time : Three Hours**

**Maximum : 100 marks**

**Answer ALL questions**

**I. Essay Questions:**

**(2 x 15 = 30)**

1. Factors modifying drug action.
2. Explain Anti-hypertensive drugs in detail.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Classification of laxative.
2. Excretion of drugs.
3. Factors modifying drug absorption.
4. Classification of antibiotics with example.
5. Adverse effects of Local Anesthetics.
6. Storage depots of drugs.
7. Classification of anti-emetics.
8. Common adverse effects of anticancer drugs.
9. Drugs effective in Iron deficiency Anemia.
10. Disadvantage of oral route.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Write about Morphine.
2. Note on Erythromycin.
3. Anorexiant.
4. Properties of nasal decongestants.
5. Carminatives.
6. Advantage of parental route.
7. Charcoal.
8. Give two uses of barbiturates.
9. Drugs causing vomiting.
10. Note on Albendazole.

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**SECOND B.N.Y.S. DEGREE EXAMINATION**

**PAPER VII – BASIC PHARMACOLOGY**

*Q.P. Code : 821515*

**Time: Three Hours**

**Maximum : 100 Marks**

**Answer All questions**

**I. Essay Questions:**

**(2 x 15 = 30)**

1. Methods of prolonging drug action.
2. Classification of coagulants and anti-coagulants drugs.

**II. Write Notes on:**

**(10 x 5 = 50)**

1. Classification of diuretic drugs.
2. Factors modifying biotransformation.
3. Mechanisms of drug action.
4. Classification of oral anti diabetic drugs.
5. Drugs effective iron deficiency anemia.
6. Adverse reactions of insulin.
7. Classification of anti-emetics.
8. Advantages of oral route administration of drugs.
9. Factors modifying drug absorption.
10. Classification of antacids.

**III. Short Answers on:**

**(10 x 2 = 20)**

1. Write two uses of Benzodiazepines.
2. Write two common purgatives.
3. What is Teratogenicity?
4. Define chemotherapy.
5. Write two common bronchodilators.
6. Types of enema.
7. Write about penicillin.
8. Pharmacotherapy of constipation.
9. Drugs causing vomiting.
10. Write two uses of therapeutic gases.

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**SECOND B.N.Y.S. DEGREE EXAMINATION****PAPER VII – BASIC PHARMACOLOGY***Q.P. Code : 821515***Time: Three Hours****Maximum : 100 Marks****Answer All questions****I. Essay Questions:****(2 x 15 = 30)**

1. Define and classify receptors with examples. Discuss in detail about various treatment measures for management of drug poisoning.
2. Classify skeletal muscle relaxants with examples. Explain the mechanism of action, therapeutic uses, dose and adverse effect of any three drug category.

**II. Write Notes on:****(10 x 5 = 50)**

1. Anti-parkinsonism drugs.
2. Mechanism of action and side effect of atropine.
3. Chemotherapy of Leprosy.
4. Enumerate diuretic agents and discuss the pharmacology of thiazides.
5. Classification of NSAID's.
6. Mechanism of action and adverse effect of monoamine oxidase inhibitors.
7. Classification and uses of Immuno-suppressants.
8. Anti-anxiety drugs.
9. Categorize local anaesthetic drugs. Discuss the mechanism and dose of lignocaine.
10. Antihistamine drugs classification and its adverse effects.

**III. Short Answers on:****(10 x 2 = 20)**

1. Therapeutic uses of ephedrine.
2. Side effects of Chloramphenicol.
3. Mucolytic agents.
4. Example for alpha receptor blocking drug.
5. Therapeutic uses of sulfonamides.
6. Classification of vitamins.
7. Drug used in treating constipation.
8. Chemotherapy of helminthiasis.
9. Drugs used in diarrhea.
10. Morphine.

**SECOND B.N.Y.S. DEGREE EXAMINATION****PAPER VII – BASIC PHARMACOLOGY***Q.P. Code : 821515***Time: Three Hours****Maximum : 100 Marks****Answer All questions****I. Essay Questions:****(2 x 15 = 30)**

1. Discuss in detail about different routes of drug administration and explain the advantage and disadvantages of each route.
2. Classify anti-depressant drugs with examples. Explain the mechanism of action and adverse effects of any four drug category.

**II. Write Notes on:****(10 x 5 = 50)**

1. Drug therapy for vomiting.
2. Factors modifying the effect of the drug.
3. Mechanism of action, dose and adverse effect of levodopa.
4. Classify anti-hypertensive drugs with examples.
5. Mechanism of action and drug interaction of digitalis.
6. Drug lowering serum lipids.
7. Classification of anti-fungal agents and mechanism of action of any two drugs.
8. Drugs used for the treatment of rheumatoid arthritis.
9. Chemotherapy of urinary tract infection.
10. Classify beta blockers and enumerate the common side effects of beta blockers.

**III. Short Answers on:****(10 x 2 = 20)**

1. Antimalarial drugs.
2. Define disinfectant with example.
3. Enumerate antibiotics effective against gram negative organism.
4. Side effect of cancer chemotherapy.
5. Tricyclic compounds.
6. Define hypnotics with example.
7. Interaction of tetracycline's.
8. Mechanism and interactions of insulin.
9. Drug used in treating gout.
10. Thyroid drugs.

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**SECOND B.N.Y.S. DEGREE EXAMINATION****PAPER VII – BASIC PHARMACOLOGY***Q.P. Code : 821515***Time: Three Hours****Maximum : 100 Marks****Answer All questions****I. Essay Questions:****(2 x 15 = 30)**

1. Classify anticonvulsant drugs. Explain the mechanism of action and adverse effect of any two anticonvulsant drugs.
2. Explain in detail about the following drug toxicity (i) Hepatototoxicity (ii) Teratogenicity (iii) Nephrotoxicity.

**II. Write Notes on:****(10 x 5 = 50)**

1. Classification of Anti-cancer drugs.
2. Drugs used in bronchial asthma.
3. Write in detail about the skeletal muscle relaxants.
4. Drugs used for the treatment of peptic ulcer.
5. Write about calcium channel blockers.
6. Factors affecting drug absorption and its bioavailability.
7. Treatment of iron poisoning.
8. Adverse drug reactions of local anaesthetics.
9. Drugs given for tuberculosis.
10. Cholinergic blockers.

**III. Short Answers on:****(10 x 2 = 20)**

1. Define receptors and list out the types of receptors.
2. Define sedative with example.
3. Therapeutic use of atropine.
4. Clinical application of amantadine.
5. Side effects of aminoglycoside antibiotics.
6. Therapeutic uses of cotrimoxazole.
7. Ovulation inducing drugs.
8. Carbamazepine.
9. Central cough suppressants.
10. Define antiseptic with examples.

**SECOND B.N.Y.S. DEGREE EXAMINATION**

**PAPER VII – BASIC PHARMACOLOGY**

*Q.P. Code : 821515*

**Time: Three Hours**

**Maximum : 100 Marks**

**Answer All questions**

**I. Essay Questions:**

**(2 x 15 = 30)**

1. Methods of prolonging drug action.
2. Classification of coagulants and anti-coagulants.

**II. Write Notes on:**

**(10 x 5 = 50)**

1. Classification of diuretics.
2. Factors modifying biotransformation.
3. Mechanisms of drug action.
4. Classification of oral anti diabetics.
5. Classification of anti-ulcer drug.
6. Adverse reactions of insulin.
7. Excretion of drugs.
8. Advantages of oral route.
9. Factors modifying drug absorption.
10. Classification of laxative.

**III. Short Answers on:**

**(10 x 2 = 20)**

1. Write uses of loperamide.
2. Write two common analgesics.
3. Common side effects of Antibiotics.
4. Define chemotherapy.
5. Write two common bronchodilators.
6. Types of enema.
7. Write about penicillin.
8. Give two uses of barbiturates.
9. Drugs causing vomiting.
10. Note on albendazole.

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**SECOND B.N.Y.S. DEGREE EXAMINATION**

**PAPER VII – BASIC PHARMACOLOGY**

*Q.P. Code : 821515*

**Time: Three Hours**

**Maximum : 100 Marks**

**Answer All questions**

**I. Essay Questions:**

**(2 x 15 = 30)**

1. Routs of drug administration.
2. Explain Anti-hypertensive drugs in detail.

**II. Write Notes on:**

**(10 x 5 = 50)**

1. Treatment of acute drug poisoning.
2. Drugs effective in iron deficiency anemia.
3. Classification of drugs used in the treatment of cough.
4. Explain about Drug toxicity.
5. Classification of antibiotics with example.
6. Note on Insulin.
7. Classification of anti-emetics.
8. Drugs effective in diarrhoea.
9. Sources of drugs.
10. ORS Composition.

**III. Short Answers on:**

**(10 x 2 = 20)**

1. Main divisions of pharmacology.
2. Note on Erythromycin.
3. Note on omeprazole.
4. Role of Placebo.
5. Drugs causing vomiting.
6. Liquid paraffin.
7. Uses of Charcoal.
8. Write any two Anti thyroid drugs.
9. Define pharmacology.
10. Properties of antacid.

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[LN 1515]

OCTOBER 2018

Sub. Code: 1515

**SECOND B.N.Y.S. DEGREE EXAMINATION**

**PAPER VII – BASIC PHARMACOLOGY**

*Q.P. Code : 821515*

**Time: Three Hours**

**Maximum : 100 Marks**

**Answer All questions**

**I. Essay Questions:**

**(2 x 15 = 30)**

1. Classify anti – depressant drugs with examples. Explain mechanism of action and adverse effects.
2. Explain in detail about Antibiotics.

**II. Write Notes on:**

**(10 x 5 = 50)**

1. Drugs used in treatment of Rheumatoid Arthritis.
2. Note on Morphine.
3. Classification of Anti- Emetics and its effects.
4. Drugs for leprosy.
5. Chemotherapy of UTI.
6. Write about calcium channel blockers.
7. Explain about drug toxicity.
8. Therapeutic Gases.
9. Types of Shock and their treatment.
10. Explain Diuretics.

**III. Short Answers on:**

**(10 x 2 = 20)**

1. Digoxin.
2. Drug Tolerance.
3. Define Pharmacokinetics.
4. Adverse reaction of Insulin.
5. Triple response.
6. ORS composition.
7. Teratogenicity.
8. Side effects of Chloramphenicol.
9. Carbamazepine.
10. Note on Erythromycin.

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[LO 1515]

MAY 2019

Sub. Code: 1515

**SECOND B.N.Y.S. DEGREE EXAMINATION**

**PAPER VII – BASIC PHARMACOLOGY**

*Q.P. Code : 821515*

**Time: Three Hours**

**Maximum : 100 Marks**

**Answer All questions**

**I. Essay Questions:**

**(2 x 15 = 30)**

1. Explain in detail about NSAIDS.
2. Classify Anti - Cancer drugs and explain the Anti-Metabolites.

**II. Write Notes on:**

**(10 x 5 = 50)**

1. Skeletal muscle relaxants.
2. Explain Anti - Histamines.
3. Chemotherapy of Malaria.
4. Excretion of Drugs.
5. Drugs for Iron Deficiency Anaemia.
6. Explain Local anaesthetics – adverse reactions.
7. Advantages of Parenteral Drugs.
8. Classification of Laxatives.
9. Anti- Parkinsonism Drugs.
10. Drugs used in treating Gout.

**III. Short Answers on:**

**(10 x 2 = 20)**

1. Frusemide.
2. Reserpine.
3. Define receptors and list out their types.
4. Define Anti – septic with examples.
5. Ovulation Inducing Drugs.
6. Main divisions of Pharmacology.
7. Uses of Activated Charcoal.
8. Drug storage.
9. Carminatives.
10. Write two uses of Barbiturates.

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[LP 1515]

OCTOBER 2019

Sub. Code: 1515

**SECOND B.N.Y.S. DEGREE EXAMINATION**

**PAPER VII – BASIC PHARMACOLOGY**

*Q.P. Code : 821515*

**Time: Three Hours**

**Maximum : 100 Marks**

**Answer All questions**

**I. Essay Questions:**

**(2 x 15 = 30)**

1. Describe the distributions of a drug in the body.  
a) Plasma concentration      b) Drug storage.      c) Placental transfer
2. Write in detail about the management and Pharmacotherapy of Peptic Ulcer.

**II. Write Notes on:**

**(10 x 5 = 50)**

1. Explain about Biotransformation.
2. Classification and Mechanism of action of Local Anaesthetics.
3. Drugs used in the treatment of Cough.
4. Drugs for Cardiac Arrhythmias.
5. Oral Anti – Diabetic Drug.
6. Elaborate Barbiturate Poisoning.
7. Describe Anticholinergic Drugs.
8. Adverse effect of Drugs.
9. Treatment for Acute Drug Poisoning.
10. Anti-thyroid Drugs.

**III. Short Answers on:**

**(10 x 2 = 20)**

1. Placebo.
2. Dosage and use of Tetracycline.
3. Dermojet.
4. Effect of food on Drug Absorption.
5. Penicillin.
6. Oral contraceptive Pills.
7. Preparation of Insulin.
8. Types of Antagonism.
9. Hypnotics.
10. Define Plasma half life of Drug.

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

**[BNYS 0321]**

**MARCH 2021**  
**(MAY 2020 & AUGUST 2020 SESSION)**  
**B.N.Y.S. DEGREE EXAMINATION**  
**SECOND YEAR**  
**PAPER VII – BASIC PHARMACOLOGY**  
***Q.P. Code : 821515***

**Sub. Code: 1515**

**Time: Three Hours**

**Answer ALL questions**

**Maximum : 100 Marks**

**I. Essay Questions:**

**(2 x 15 = 30)**

1. Factors modifying drug action.
2. Classification of oral anti diabetic drugs.

**II. Write Notes on:**

**(10 x 5 = 50)**

1. Non pharmacological methods to reduce Hypertension.
2. Excretion of drugs.
3. Factors modifying drug absorption.
4. Drug therapy for bronchial asthma.
5. Adverse effects of Local Anesthetics.
6. Storage depots of drugs.
7. Classify the drugs used in peptic ulcer.
8. Common adverse effects of anticancer drugs.
9. Classification of anti-fungal agents.
10. Disadvantage of oral route.

**III. Short Answers on:**

**(10 x 2 = 20)**

1. Write about morphine.
2. Advantages of sublingual route.
3. Uses of Lactobacillus.
4. Properties of nasal decongestants.
5. Carminatives.
6. Advantage of parenteral route.
7. Uses of Atropine.
8. Main divisions of pharmacology.
9. What is the drug of choice for status epilepticus?
10. Give two uses of barbiturates.

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

**[BNYS 1021]**

**OCTOBER 2021  
(OCTOBER 2020 SESSION)**

**Sub. Code: 1515**

**B.N.Y.S. DEGREE EXAMINATION  
SECOND YEAR  
(For the candidates admitted from the academic year 2013-14)  
PAPER VII – BASIC PHARMACOLOGY  
*Q.P. Code : 821515***

**Time: Three Hours**

**Answer ALL questions**

**Maximum : 100 Marks**

**I. Essay Questions:**

**(2 x 15 = 30)**

1. Explain antihypertensive drugs in details.
2. Write the classification of NSAIDS and explain the mechanism of action, pharmacological action, adverse effects, drug interaction, contraindication and therapeutic uses of aspirin.

**II. Write Notes on:**

**(10 x 5 = 50)**

1. Protein pump inhibitor.
2. Anti diuretic hormone drugs.
3. Treatment of Status Asthmaticus.
4. Anti depressant drug.
5. Skin toxicity.
6. Drug effective in Rheumatoid Arthritis.
7. Salbutamol.
8. Anti anxiety drug.
9. Classify semisynthetic penicillin and explain the  $\beta$  lactamase inhibitors.
10. Drug Absorption.

**III. Short Answers on:**

**(10 x 2 = 20)**

1. Codeine.
2. Drug used in Asthma.
3. What is triple response?
4. Albendazole.
5. Fluoroquinolone.
6. Drug receptor.
7. Sodium channel blocker.
8. Antimalarial drugs.
9. Clinical pharmacology.
10. Tolerance.

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

**[BNYS 0322]**

**MARCH 2022  
(FEBRUARY 2021 & MAY 2021 SESSIONS)**

**Sub. Code: 1515**

**B.N.Y.S. DEGREE EXAMINATION  
SECOND YEAR  
(For the candidates admitted from the academic year 2011-12)  
PAPER VII – BASIC PHARMACOLOGY  
*Q.P. Code : 821515***

**Time: Three Hours**

**Answer ALL questions**

**Maximum : 100 Marks**

**I. Essay Questions: (2 x 15 = 30)**

1. Explain the factors affecting the drug absorption and its bioavailability. Write the routes of drug administration with examples.
2. Classify anti cholinergic drugs and describe its pharmacological action, uses and toxicities.

**II. Write Notes on: (10 x 5 = 50)**

1. Types of antagonism and its important.
2. Chloroquine.
3. Drugs used in peptic ulcer.
4. Drug interaction.
5. Therapeutic uses of lignocaine.
6. Sulfonamides.
7. Omeprazole.
8. Placental transfer.
9. Anti epileptic Drugs.
10. Biotransformation.

**III. Short Answers on: (10 x 2 = 20)**

1. Bronchodilators.
2. Iatrogenic disease.
3. Osmotic purgative.
4. Anorexiant.
5. Diazepam.
6. Chemotherapy of leprosy.
7. Anti ulcer drugs.
8. Rifampicin.
9. Analgesics.
10. Anti inflammatory drugs.

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

**[BNYS 0522]**

**MAY 2022**

**Sub. Code: 1515**

**(AUGUST 2021 & OCTOBER 2021 SESSIONS)**

**B.N.Y.S. DEGREE EXAMINATION  
SECOND YEAR**

**(For the candidates admitted from the academic year 2011-12)**

**PAPER VII – BASIC PHARMACOLOGY**

***Q.P. Code : 821515***

**Time: Three Hours**

**Answer ALL questions**

**Maximum : 100 Marks**

**I. Essay Questions:**

**(2 x 15 = 30)**

1. Describe the distributions of a drug in the body.  
a) Plasma concentration      b) Drug storage      c) Placental transfer
2. Write in detail about the management and Pharmacotherapy of Peptic Ulcer.

**II. Write Notes on:**

**(10 x 5 = 50)**

1. Explain about Biotransformation.
2. Classification and Mechanism of action of Local Anaesthetics.
3. Drugs used in the treatment of Cough.
4. Drugs for Cardiac Arrhythmias.
5. Oral Anti Diabetic Drug.
6. Elaborate on Barbiturate Poisoning.
7. Describe Anti Cholinergic Drugs.
8. Adverse effect of Drugs.
9. Treatment for Acute Drug Poisoning.
10. Anti Thyroid Drugs.

**III. Short Answers on:**

**(10 x 2 = 20)**

1. Placebo.
2. Dosage and use of Tetracycline.
3. Dermojet.
4. Effect of food on Drug Absorption.
5. Penicillin.
6. Oral contraceptive Pills.
7. Preparation of Insulin.
8. Types of Antagonism.
9. Hypnotics.
10. Define Plasma half life of Drug.

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

**[BNYS 1022]**

**OCTOBER 2022  
(FEBRUARY 2022 & MAY 2022 EXAM SESSIONS)**

**Sub. Code: 1515**

**B.N.Y.S. DEGREE EXAMINATION  
SECOND YEAR  
(For the candidates admitted from the academic year 2011-12)  
PAPER VII – BASIC PHARMACOLOGY  
*Q.P. Code : 821515***

**Time: Three Hours**

**Answer ALL questions**

**Maximum : 100 Marks**

**I. Essay Questions: (2 x 15 = 30)**

1. Classify receptors with example and explain in detail about the various treatments of drug poisons.
2. Explain in detail about the following drug toxicity:  
(a) Hepatotoxicity (b) Haemopoietic toxicity (c) Nephrotoxicity.

**II. Write Notes on: (10 x 5 = 50)**

1. Mode of action, uses and toxicity of atropine.
2. Role of Placebo.
3. Drug excretion.
4. Nicotinic acid and Nicotinamide on pellagra.
5. Drug effective in Iron deficiency anemia.
6. Factors affecting drug absorption.
7. Analgesia of anti-inflammatory agent.
8. Classify diuretics. Write in detail about it.
9. Anti-emetic.
10. Immuno suppressant.

**III. Short Answers on: (10 x 2 = 20)**

1. Pharmacokinetics.
2. High ceiling diuretics.
3. Dioxins.
4. Oximes.
5. Mucolytic agents.
6. Catecholamine.
7. Interaction of insulin.
8. Hypnotics.
9. Antiseptic with example.
10. Adverse reaction of NSAIDS.

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

**[BNYS 0923]**

**SEPTEMBER 2023  
(MAY 2023 EXAM SESSION)**

**Sub. Code: 1515**

**B.N.Y.S. DEGREE EXAMINATION  
SECOND YEAR  
(For the candidates admitted from the academic year 2011-12)  
PAPER VII – BASIC PHARMACOLOGY**

*Q.P. Code: 821515*

**Time: Three Hours**

**Answer ALL questions**

**Maximum: 100 Marks**

**I. Essay Questions:**

**(2 x 15 = 30)**

1. Routes of drug administration.
2. Pharmacotherapy of cardiac arrhythmias.

**II. Write Notes on:**

**(10 x 5 = 50)**

1. Treatment of acute drug poisoning.
2. Classification of anti-ulcer drug.
3. Classification of drugs used in the treatment of cough.
4. Write a note on digitalis.
5. Drug therapy of bronchial asthma.
6. Note on Insulin.
7. Anti – diarrheal drugs.
8. Sources of drugs.
9. ORS Composition.
10. Adverse reactions of Local anesthetics.

**III. Short Answers on:**

**(10 x 2 = 20)**

1. Main divisions of pharmacology.
2. Note on Erythromycin.
3. Action of Nifedipine.
4. Role of Placebo.
5. Drugs causing vomiting.
6. Liquid paraffin.
7. Charcoal.
8. What is additive effect?
9. Define pharmacology.
10. Properties of antacid.

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