

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

[MD(SIDDHA) 0321]

MARCH 2021

Sub. Code: 3127

(OCTOBER 2020 EXAM SESSION)

M.D. (SIDDHA) DEGREE EXAMINATION

THIRD YEAR

BRANCH VI – NANJU MARUTHUVAM

PAPER I – PHARMACOLOGY AND EXPERIMENTAL TOXICOLOGY

Q.P. Code : 323127

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Classify General anaesthetics and describe elaborately about the advantages and disadvantages of different inhalational anaesthetics.
2. Classify broadly bronchodilators and briefly write about the mechanism of actions and therapeutic uses of mast cell stabilizers giving suitable examples.

II. Write notes on:

(10 x 6 = 60)

1. Write a note on different sources of drugs and give suitable examples.
2. Discuss briefly about the chemical reactions of biotransformation by giving suitable examples.
3. What is enzyme induction and give suitable examples.
4. Write a note on the following:
 - a) Ion channel
 - b) G-protein coupled receptors.
5. Define OECD and write a note on the functions of OECD guidelines.
6. Discuss briefly about different toxicity studies carried on animals.
7. Write a note on the following:
 - a) Drug potency.
 - b) Maximal efficacy.
8. Write any two evaluation methods of hepatotoxicity in animals.
9. Write a short note on the following:
 - a) Ondansetron.
 - b) Domperidone.
10. Write any two evaluation methods of antifertility test in female.

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

[MD(SIDDHA) 0823]

**AUGUST 2023
(MAY 2023 EXAM SESSION)**

Sub. Code: 3127

**M.D. (SIDDHA) DEGREE EXAMINATION
THIRD YEAR - (For the candidates admitted from 2017-2018 onwards)
BRANCH VI – NANJU MARUTHUVAM
PAPER I – PHARMACOLOGY AND EXPERIMENTAL TOXICOLOGY**

Q.P. Code: 323127

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. What is congestive cardiac failure and classify the drugs used. Write the mechanism of action, pharmacological action and adverse effect of Cardiac Glycosides.
2. Classify Oral hypoglycemic agents. Write the mechanism of action and pharmacological action of Biguanides.

II. Write notes on:

(10 x 6 = 60)

1. Classify beta blockers. Mention the cardiovascular and non-cardiovascular uses of beta blockers.
2. Write the mechanism of action of Benzodiazepines and barbiturates.
3. Pharmacotherapy of Bronchial asthma.
4. Classification of anti-arrhythmic agents.
5. Chemotherapy of Tuberculosis.
6. Write the mechanism of drug absorption across the membrane.
7. Explain teratogenicity.
8. Write three major mechanism of anti-convulsant action.
9. Write short notes on proton pump inhibitors.
10. What is Rheumatoid arthritis and classify drugs used.

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

[MD(SIDDHA) 0224]

**FEBRUARY 2024
(OCTOBER 2023 EXAM SESSION)**

Sub. Code: 3127

**M.D. (SIDDHA) DEGREE EXAMINATION
THIRD YEAR - (For the candidates admitted from 2017-2018 onwards)
BRANCH VI – NANJU MARUTHUVAM
PAPER I – PHARMACOLOGY AND EXPERIMENTAL TOXICOLOGY**

Q.P. Code: 323127

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Classify Anti-convulsants. Write the different mechanism of action of anti-convulsant drugs. Describe the therapy of Status epilepticus.
2. With a neat diagram enumerate various sites of diuretics. Explain the mechanism of action, therapeutic uses and adverse effects of Loop diuretics.

II. Write notes on:

(10 x 6 = 60)

1. What is receptor? Classify according to transduction mechanism.
2. Define the following terms: Mutagenicity, Tachyphylaxis, Antagonism.
3. Write the mechanism of action and adverse effects of Major tranquilizers.
4. Write a note on cardiotonics.
5. Write a note on oral hypoglycemic agents.
6. Name three non sedative H₁ blockers and mention their therapeutic implications.
7. Write a note on drugs used for Peptic Ulcer.
8. Explain the method to evaluate LD₅₀ in animals.
9. Write a brief note on Angiotensin antagonist.
10. Write about Oral and transdermal route of Drug administration.

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

[MD(SIDDHA) 0225]

FEBRUARY 2025

Sub. Code: 3127

**M.D. (SIDDHA) DEGREE EXAMINATION
THIRD YEAR - (For the candidates admitted from 2017-2018 onwards)
BRANCH VI – NANJU MARUTHUVAM
PAPER I – PHARMACOLOGY AND EXPERIMENTAL TOXICOLOGY**

Q.P. Code: 323127

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Enlist different routes of drug administration. Explain their advantages and disadvantages.
2. Classify anti-inflammatory drugs and describe their pharmacology.

II. Write notes on:

(10 x 6 = 60)

1. Describe the evaluation of Hepatotoxicity.
2. Describe the chemotherapy of Tuberculosis.
3. Factors modifying action of a drug.
4. Describe about anti depressants.
5. Write details about thyroid and anti thyroid drugs.
6. Write notes on Anti histamine.
7. Write a note on Vasodilator Drugs.
8. Explain the different methods to evaluate acute Toxicity studies in animals.
9. Describe about Adrenergic and adrenergic blocking drugs.
10. Pharmacotherapy of cough.
