

APRIL - 2001

[KD 515]

M.D. (Siddha) DEGREE EXAMINATION.

Second Year

(Old/New Regulations)

Branch I — Maruthuvam

Paper II — INTRODUCTION TO PHARMACOLOGY
WITH THERAPEUTIC EMPHASIS

Time : Three hours

Maximum 100 marks

Answer ALL questions

1. How will you determine the acute and chronic adverse effects of drugs? (15)
2. Classify anti cancer drugs and explain the methods of testing antitumor drugs. (15)
3. Classify diuretics with suitable examples. Explain the methods of evaluating diuretic agents. (15)
- 4 Describe the methods used to evaluate iron tonics. (15)
5. Classify anti hypertensive drugs with suitable examples. Explain the pharmacology of calcium channel blockers. (20)

6 Short notes : (20)

- (a) Rotarod apparatus
- (b) Convulsiometer.
- (c) Ranitidine.
- (d) Ionipramine.

NOVEMBER - 2001

[KE 515]

M.D. (Siddha) DEGREE EXAMINATION

(Old/New Regulations)

Second Year

Branch I — Maruthuvam

**Paper II — INTRODUCTION TO PHARMACOLOGY
WITH THERAPEUTIC EMPHASIS**

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Describe different routes of drug administration emphasizing their advantages and disadvantages. (20)
- 2 Write about the limitations of animal tests (15)
3. Give a few examples of antiasthmatic drugs. Explain the evaluation of broncho dilators. (20)
4. Classify local anesthetics with suitable examples and outline the methods of testing local anesthetic drugs. (15)

5 How will you evaluate anti tumor drugs? (15)

6 Short Notes : (15)

(a) Bio assay of Histamine

(b) Analgesiometer

(c) β - Blocker drugs

(d) Omeprazole.

MARCH - 2002

[KG 515]

M.D. (Siddha) DEGREE EXAMINATION.

(Old/New Regulations)

Second Year

Branch I — Maruthuvam

**Paper II — INTRODUCTION TO PHARMACOLOGY
WITH THERAPEUTIC EMPHASIS**

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. How will you prove that a drug is safe? (15)
2. Describe the pharmacology of antihypertensive drugs. (20)
3. What is preliminary screening of drugs? How will you conduct it? (20)
4. How will you establish that a drug is useful in the treatment of peptic ulcer? (15)

5. Methods of evaluating antiinflammatory drugs. Explain. (15)

- 6 Short notes : (3 × 5 = 15)
- (a) Amlodipine
- (b) Glypizide
- (c) Actophotometer

SEPTEMBER - 2002

[KH 515]

M.D. (SIDDHA) DEGREE EXAMINATION

(Old/New/Revised Regulations)

Second Year

Branch I — Maruthuvam

Paper II — INTRODUCTION TO PHARMACOLOGY
WITH THERAPEUTIC EMPHASIS

Time : Three hours

Maximum : 100 marks

Answer ALL questions

1. What are the biological experiments done to prove a new drug is effective pharmacologically? (20)
2. Classify antihistamines with suitable examples and explain the methods involved in evaluating an antihistamine. (15)
3. Write a note on digorein. Explain the methods of evaluating cardiotonics. (15)
4. How will you prove that a drug is antihypertensive? (15)
5. Explain the methods of evaluating antitumor drugs. (15)

6

Short notes

(20)

- (a) Analgesiometer
 - (b) Nifedepine
 - (c) Cotton Pellet Granuloma
 - (d) Aspirin
-

APRIL - 2003

[KI 515]

Sub. Code : 2119

M.D. (SIDDHA) DEGREE EXAMINATION.

(Old/New/Revised Regulations)

Second Year

Branch I — Maruthuvam

**Paper II — INTRODUCTION TO PHARMACOLOGY
WITH THERAPEUTIC EMPHASIS**

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Enumerate the different adverse effects of drugs and their evaluation in experimental animals. (15)
2. Define pharmacodynamics and explain various aspects of it. (20)
3. How will you evaluate an antidiabetic drug pharmacologically? (15)
4. Classify diuretics. Write briefly about methods of testing for diuretic activity of a drug. (15)
5. How will you prove that a drug is effective in controlling fertility? (15)

6. Short Notes : (20)

- (a) Bio assay.
 - (b) Dales Vasomotor reversal phenomenon.
 - (c) Anti histamine.
 - (d) Rota rod apparatus.
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OCTOBER - 2003

[KJ 515]

Sub. Code : 2119

M.D. (SIDDHA) DEGREE EXAMINATION.

(Old/New/Revised Regulations)

Second Year

Branch I — Maruthuvam

**Paper II — INTRODUCTION TO PHARMACOLOGY
WITH THERAPEUTIC EMPHASIS**

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Describe in detail the fate of 'drugs' after administration in to the body. (15)
2. How will you evaluate antihistaminics? (20)
3. How will you evaluate analgesics? (15)
4. Write in detail on 'blind screening procedures'. (20)
5. Explain the methods for evaluation of antiulcer drugs. (15)

6. Short notes :

(3 × 5 = 15)

- (a) LD₅₀.
 - (b) 'Matching' in bioassay.
 - (c) Limitations of animal tests.
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APRIL - 2004

[KK 515]

Sub. Code : 2119

SECTION B

M.D. (SIDDHA) DEGREE EXAMINATION.

(Old/New/Revised Regulations)

Second Year

Branch I — Maruthuvam

Paper II — INTRODUCTION TO PHARMACOLOGY
WITH THERAPEUTIC EMPHASIS

Time : Three hours

Maximum : 100 marks

Sec. A & B : Two hours and
forty minutes

Sec. A & B : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

SECTION A

Long Essay :

1. Write an essay on different aspects of Bioassay. (15)
2. What are the limitations of animal tests? (15)

Short notes :

(10 × 5 = 50)

3. Digoxin
4. Carrageenin edema
5. Analgesio meter
6. Propranolol
7. Furosemide
8. Aspirin
9. Pro drug
10. Insulin
11. Atropine
12. Actophotometer

AUGUST - 2004

[KL 515]

Sub. Code : 2119

M.D. (SIDDHA) DEGREE EXAMINATION.

(Old/New/Revised Regulations)

Second Year

Branch I — Maruthuvam

**Paper II — INTRODUCTION TO PHARMACOLOGY
WITH THERAPEUTIC EMPHASIS**

Time : Three hours

Maximum : 100 marks

**Sec. A & B : Two hours and
forty minutes**

Sec. A & B : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

SECTION A — (2 × 15 = 30 marks)

Long Essay :

1. Describe in detail the pharmacological experiments conducted to prove that a new compound is effective. (15)
2. Enumerate different adverse effect of drugs and methods of evaluating drug toxicity. (15)

SECTION B — (10 × 5 = 50 marks)

Short notes :

3. Plethysmograph.
4. Anti histaminics.
5. Adrenaline.
6. Rota rod equipment.
7. Amoxycillin.
8. Dolorimeter.
9. Cotton pellet granuloma.
10. Yeast induced Hyper thermia.
11. Acetaminophen.
12. Matching assay.

FEBRUARY - 2005

[KM 515]

Sub. Code : 2119

M.D. (SIDDHA) DEGREE EXAMINATION.

(Old/New/Revised Regulations)

Second Year

Branch I — Maruthuvam

**Paper II — INTRODUCTION TO PHARMACOLOGY
WITH THERAPEUTIC EMPHASIS**

Time : Three hours

Maximum : 100 marks

**Sec. A & B : Two hours and
forty minutes**

Sec. A & B : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

SECTION A — (2 × 15 = 30 marks)

Long Essay :

- 1. Classify NSAIDS. How will you evaluate analgesic agents?**
- 2. How will you test a drug for its anti gastric ulcer activity?**

SECTION B — (10 × 5 = 50 marks)

Short notes :

- 3. Pharmacodynamics.**
- 4. Hind paw edema.**
- 5. Bio assay of histamine.**
- 6. Tachyphylaxis.**
- 7. Adjuvant arthritis.**
- 8. Imipramine.**
- 9. Dale's vasomotor reversal.**
- 10. Omeprazole.**
- 11. Rota rod apparatus.**
- 12. Ziggle cage.**

AUGUST - 2005

[KN 515]

Sub. Code : 2119

M.D. (SIDDHA) DEGREE EXAMINATION.

(Old/New/Revised Regulations)

Second Year

Branch I — Maruthuvam

**Paper II — INTRODUCTION TO PHARMACOLOGY
WITH THERAPEUTIC EMPHASIS**

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. How will you proceed to evaluate a new drug
pharmacologically? (15)**

**2. Describe in detail the evaluation of a
hypoglycaemic drug. (15)**

II. Short notes :

(10 × 5 = 50)

- 1. Frog pleurax anesthesia**
- 2. Plethysmograph**
- 3. Digitalis**
- 4. Microbiological assay**
- 5. Codeine**
- 6. Langendroff's apparatus**
- 7. Shay rat**
- 8. Metabolism cage**
- 9. Isolated organ-bath**
- 10. Aspirin.**

FEBRUARY - 2006

[KO 515]

Sub. Code : 2119

M.D. (SIDDHA) DEGREE EXAMINATION.

(Old/New/Revised Regulations)

Second Year

Branch I — Maruthuvam

**Paper II — INTRODUCTION TO PHARMACOLOGY
WITH THERAPEUTIC EMPHASIS**

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. Discuss the demerits of animal experiments in
pharmacology. (15)**

**2. Classify antihypertensive drugs with examples
and write the evaluation methods of hypotensives. (15)**

II. Short notes :

(10 × 5 = 50)

- 1. Carrageenin edema.**
- 2. Ranitidine.**
- 3. Pharmacokinetics.**
- 4. Organ bath.**
- 5. Plethysmograph.**
- 6. Atropine.**
- 7. Reserpine.**
- 8. Inclined plane.**
- 9. Alloxan.**
- 10. Stress ulcer.**

AUGUST - 2006

[KP 515]

Sub. Code : 2119

M.D. (SIDDHA). DEGREE EXAMINATION.

(Old/New/Revised Regulations)

Second Year

Branch I — Maruthuvam

**Paper II — INTRODUCTION TO PHARMACOLOGY
WITH THERAPEUTIC EMPHASIS**

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) Sub lingual route of drug administration. (10)
(b) Effect of drugs on rabbit eye. (10)
2. Define Bioassay. Describe the different types of bioassay. (15)
3. Describe in detail the evaluation of an anti inflammatory drug. (15)

II. Short notes :

(6 × 5 = 30)

1. Pithing in frog experiments
 2. Langendorff apparatus
 3. General screening methods
 4. Toxicity studies in animals
 5. Bio-availability.
 6. Adverse drug reactions.
-

MARCH - 2007

[KQ 515]

Sub. Code : 2119

M.D. (SIDDHA) DEGREE EXAMINATION.

(Old/New/Revised Regulations)

Second Year

Branch I — Maruthuvam

Paper II — INTRODUCTION TO PHARMACOLOGY
WITH THERAPEUTIC EMPHASIS

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. Classify local anaesthetic drugs with examples
and write the evaluation methods of local anaesthetics.

(20)

2. Describe briefly the pharmacology of drugs used in
treating various anaemias.

(15)

3. Discuss the demerits of animal experiments in
pharmacology.

(15)

II. Short notes on :

(6 × 5 = 30)

1. Analgesiometer.

2. Rotarod apparatus.

3. Phenytoin sodium.

4. Granuloma pouch assay.

5. Triple response.

6. Codeine.

March-2008

[KS 515]

Sub. Code : 2119

M.D. (SIDDHA) DEGREE EXAMINATION.

(Old/New/Revised Regulations)

Second Year

Branch I — Maruthuvam

**Paper II — INTRODUCTION TO PHARMACOLOGY
WITH THERAPEUTIC EMPHASIS**

Q.P. Code : 322119

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

I. Long Essay : (2 × 20 = 40)

1. Describe in detail the various methods of evaluation of antipsychotic drugs. Discuss the actions, uses, adverse effects of the drugs used in different mental disorders.

2. What are the evaluation methods used to evaluate the analgesic and anti inflammatory actions of a given compound. Mention the specific uses of aspirin and its adverse effect.

II. Short notes : (10 × 6 = 60)

1. Drug safety.
2. Acute toxicity studies.
3. Phase I and Phase II metabolism.
4. Screening tests for teratogenicity.
5. β lactam antibiotics.
6. Guinea pig as an experimental animal.
7. Rota Rod.
8. Blood collection in animals.
9. Different methods to induce diabetes in animals.
10. What is an alkaloid? Give examples. Mention three alkaloids used in therapy. Add a note on invitro screening tests for alkaloids.

[KT 515]

Sub. Code : 2119

M.D. (SIDDHA) DEGREE EXAMINATION.

(Old/New/Revised Regulations)

Second Year

Branch I – Maruthuvam

**Paper II — INTRODUCTION TO PHARMACOLOGY
WITH THERAPEUTIC EMPHASIS**

Q.P. Code : 322119

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

I. Long Essay : (2 × 20 = 40)

1. Write in detail the various routes of administration of drug.

2. What are anti histaminic drugs classify them? Explain how will you experimentally prove a drug in anti histaminic.

II. Short note : (10 × 6 = 60)

1. Teratogenicity.

2. Rudolf Magnus organ bath.

3. Metabolic cage.

4. Shay Rat.

5. Maximal Electro shock.

6. Conditioned Avoidance Response.

7. Analgesiometer.

8. Lignocaine.

9. Bio assay.

10. Quinidine.

March - 2009

[KU 515]

Sub. Code : 2119

M.D. (SIDDHA) DEGREE EXAMINATION.

(Old/New/Revised Regulations)

Second Year

Branch I — Maruthuvam

**Paper II — INTRODUCTION TO PHARMACOLOGY
WITH THERAPEUTIC EMPHASIS**

Q.P. Code : 322119

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

I. Long Essay : (2 × 20 = 40)

1. Describe the various factors that modify the effects of a drug.

2. Write in detail about the evaluation of drugs used in mental disorders.

II. Short notes : (10 × 6 = 60)

1. Therapeutic index.

2. Kindled seizures.

3. Photo active meter (Actophotometer).

4. Histamine Aerosol.

5. Rota rod.

6. Granuloma pouch.

7. Isolated uterus of the rat.

8. Measured candal compression.

9. Natatory Exhaustion.

10. Blind screening method.

September - 2009

[KV 515]

Sub. Code : 2119

M.D (SIDDHA) DEGREE EXAMINATION.

(Old/New/Revised Regulations)

Second Year

Branch I — Maruthuvam

**Paper II — INTRODUCTION TO PHARMACOLOGY
WITH THERAPEUTIC EMPHASIS**

Q. P. Code : 322119

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

I. Long Essay : (2 × 20 = 40)

1. What are antidiabetic drugs? Classify them.
Explain the methods of testing oral anti diabetic
drugs. (20)

2. What are the different types of adverse drug
reactions? Explain them with suitable examples. (20)

II. Write short notes : (10 × 6 = 60)

1. Beta lactum anti biotics.

2. Bio-assay.

3. Actophotometer.

4. Lithium carbonate.

5. Omeprazole.

6. Metronidazole.

7. Charcol meal test in mice.

8. Anti epileptic drugs.

9. Evaluation of anti fertility agents.

10. ATENOLOL.

March 2010

[KW 515]

Sub. Code : 2119

M.D. (SIDDHA) DEGREE EXAMINATION.

(Old / New / Revised Regulations)

Second Year

Branch I – Maruthuvam

**Paper II – INTRODUCTION TO PHARMACOLOGY
WITH THERAPEUTIC EMPHASIS**

Q.P. Code : 322119

Time : Three hours

Maximum : 100 marks

Answer ALL Questions.

I. Long Essays:

(2 x 20 = 40)

1. Write in detail about the factors that modify drug action.
2. Classify anti ulcer drugs. Write about the methods of screening for antiulcer drugs.

II. Short notes:

(10 x 6 = 60)

1. Alloxan.
2. Eddy's hot plate.
3. Rota rod test.
4. Teratogenecity.
5. Write about two evaluator methods for anti convulsants.
6. Deriphylline.
7. Tolerance.
8. Diazepam.
9. Whole animal assay.
10. Non sedative antihistamines.

September 2010

[KX 515]

Sub. Code : 2119

M.D. (SIDDHA) DEGREE EXAMINATION.

(Old/New/Revised Regulations)

Second Year

Branch I — Maruthuvam

Paper II — INTRODUCTION TO PHARMACOLOGY
WITH THERAPEUTIC EMPHASIS

Q.P. Code : 322119

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

- I. Long Essay : (2 × 20 = 40)
1. What is Diabetes Mellitus? Enumerate the drugs used for diabetes. How will you evaluate an anti-diabetic drug?
 2. What are Adverse drug effects? Write in detail about the different kinds of adverse effects.
- II. Short notes : (10 × 6 = 60)
1. Kindled rat.
 2. Pole climbing apparatus.
 3. Write two evaluatory methods for anti-hypertensives.

4. Acute toxicity studies.
5. Matching assay.
6. Penicillin.
7. Heparin.
8. Writhing test.
9. Plasma protein binding.
10. Aspirin.

MAY 2011

[KY 515]

Sub. Code : 2119

M.D. (SIDDHA) DEGREE EXAMINATION.

(Old/New/Revised Regulations)

Second Year

Branch I — Maruthuvam

Paper II — INTRODUCTION TO PHARMACOLOGY

WITH THERAPEUTIC EMPHASIS

Q.P. Code : 322119

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

I. Long Essay :

(2 x 20 = 40)

1. What are the various routes of administration of Drugs? Discuss the advantages and disadvantages of each route.
2. Classify antiepileptic drugs – Describe the mechanism of action, adverse effects and uses of phenytoin sodium (Diphenyl hydantoin).

II. Short notes :

(10 x 6 = 60)

1. Captopril.
 2. Metronidazole.
 3. Heparin.
 4. Pilocarpine.
 5. Non sedative antihistamines.
 6. Anabolic steroids.
 7. Adverse effects of glucocorticoids.
 8. Furosemide.
 9. Ranitidine.
 10. Paracetamol.
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October 2011

[KZ 515]

Sub. Code: 2119

DOCTOR OF MEDICINE (M.D.) SIDDHA DEGREE EXAMINATION

SECOND YEAR

BRANCH I – MARUTHUVAM

**PAPER II - INTRODUCTION TO PHARMACOLOGY WITH THERAPEUTIC
EMPHASIS**

Q.P. Code : 322119

**Time : Three hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Discuss about the screening methods available for anti inflammatory drugs. Explain in detail about the Freund's Complete Adjuvant induced arthritis.	11	35 min.	20
2. Write a brief note on various routes of drug administration and discuss the limitations and advantages of the following routes for administration of drugs for systemic action. (i) Skin (ii) Rectum (iii) Oral.	11	35 min.	20

II. Write notes on :

1. Describe the use of following in preclinical pharmacology (i) Alloxan treated rats (ii) Hypodynamic heart.	4	10 min.	6
2. Give a detailed on chronic toxicity studies.	4	10 min.	6
3. Explain the acute and chronic animal models used in the screening of anti inflammatory agents.	4	10 min.	6
4. Discuss any two screening procedures for anti-convulsants.	4	10 min.	6
5. Write a brief note on yeast induced pyrexia.	4	10 min.	6
6. Write a short note on mutagenicity and carcinogenicity.	4	10 min.	6
7. Describe a screening procedure for skeletal muscle relaxants.	4	10 min.	6
8. Writhing test in mice.	4	10 min.	6
9. Screening of anti-asthmatic agents.	4	10 min.	6
10. Explain the following methods : (i) Conditioned avoidance response (ii) Pentylene tetrazole injected mice.	4	10 min.	6

April 2012

[LA 515]

Sub. Code : 2119

M.D. (SIDDHA) DEGREE EXAMINATION.

Second Year

Branch I — Maruthuvam

Paper II — INTRODUCTION TO PHARMACOLOGY WITH
THERAPEUTIC EMPHASIS

Q.P. Code : 322119

Time : Three hours (180 minutes)

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :		Pages	Time	Marks
		(Max.)	(Max.)	(Max.)
1.	Discuss Biotransformation of drugs. Describe the factors influencing drug metabolism.	11	35 min.	20
2.	Describe the suitable techniques to screen anti-arrhythmic agents.	11	35 min.	20
II. Write notes on :				
1.	Write the evaluation techniques of analgesics.	4	10 min.	6
2.	Write one method for screening drugs useful in petitmal epilepsy.	4	10 min.	6
3.	Write the screening methods for anti-depressant drugs.	4	10 min.	6
4.	Give a brief note on MPTP induced Parkinsonism.	4	10 min.	6
5.	Describe any one model used in the screening of anti-hypertensive agents.	4	10 min.	6
6.	Write a note on screening of anxiolytics.	4	10 min.	6
7.	Discuss carageenan induced paw edema.	4	10 min.	6

- | | | | | |
|-----|---|---|---------|---|
| 8. | Write a note on NSAID induced ulceration in rats. | 4 | 10 min. | 6 |
| 9. | Explain the following terms : | 4 | 10 min. | 6 |
| | (a) Antagonism | | | |
| | (b) LD ₅₀ | | | |
| 10. | Write a note on limitations of animal tests. | 4 | 10 min. | 6 |
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[LB 515]

Sub. Code : 2119

M.D. (SIDDHA) DEGREE EXAMINATION – OCTOBER 2012

Second Year

Branch I — Maruthuvam

Paper II — INTRODUCTION TO PHARMACOLOGY

WITH THERAPEUTIC EMPHASIS

Q.P. Code : 322119

Time : 180 minutes

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :	Pages	Time	Marks
	(Max.)	(Max.)	(Max.)
1. Describe with suitable examples the limitations of animal tests.	11	35 min.	20
2. Classify NSAIDS. Describe the evaluation methods of analgesics.	11	35 min.	20
 II. Write notes on :			
1. Jiggle cage.	4	10 min.	6
2. Leptazol.	4	10 min.	6
3. Formalin induced edema.	4	10 min.	6
4. Adjuvant arthritis.	4	10 min.	6
5. Metformin.	4	10 min.	6
6. Dale's vasomotor reversal.	4	10 min.	6
7. Carbamazepine.	4	10 min.	6
8. Marey's tambour.	4	10 min.	6
9. Stress induced ulcer.	4	10 min.	6
10. Alloxan.	4	10 min.	6

[LC 515]

SUB CODE : 2119

**M.D. (SIDDHA) DEGREE EXAMINATION – APRIL 2013
SECOND YEAR**

BRANCH – I - MARUTHUVAM

**PAPER II – INTRODUCTION TO PHARMACOLOGY WITH
THERAPEUTIC EMPHASIS**

Q.P.Code : 322119

I. Long Essay :

(2x20=40)

1. Classify Diuretics and write briefly about the pharmacological actions of high ceiling diuretics. How will you evaluate diuretic drugs?
2. Describe elaborately about the pharmacological actions of anti-histamines. How will you evaluate the drugs used as antihistamines?

II. Short Notes:

(10x6=60)

1. Bioavailability.
2. New Drug Delivery system.
3. Drug Interaction
4. Eddys hot plate.
5. Plethysmograph
6. Cox-2 inhibitors.
7. Imipramine
8. Electroconvulsimeter
9. Pyloric ligation method
10. Calcium channel blockers.

[LD 515] SUB CODE : 2119
M.D. (SIDDHA) DEGREE EXAMINATION – OCTOBER 2013
SECOND YEAR
BRANCH – 1 MARUTHUVAM
PAPER II – INTRODUCTION TO PHARMACOLOGY WITH
THERAPEUTIC EMPHASIS
Q.P.Code : 322119

I. Long Essay : **(2x20=40)**

1. Explain in detail about different sources of drugs and their therapeutic uses by giving suitable examples.
2. Classify analgesics and write briefly about the pharmacological actions of Morphine. How will you evaluate the drugs used as analgesics?

II. Short Notes: **(10x6=60)**

1. Biotransformation
2. Adverse Drug Reactions.
3. Phenothiazines
4. Rotarod.
5. Actophotometer
6. Tracheal chain method.
7. Proton-pump inhibitors.
8. ACE-Inhitors.
9. Heparin
10. Primary screening of drugs.

**M.D. (SIDDHA) DEGREE EXAMINATION
SECOND YEAR
Branch I - Maruthuvam
Paper II – INTRODUCTION TO PHARMACOLOGY
WITH THERAPEUTIC EMPHASIS
Q.P. Code : 322119**

Time : Three Hours

Maximum : 100 marks

Answer all questions

I. Long Essay: (2X20=40)

1. Describe the suitable techniques to screen anti-arrhythmic agents.
2. Discuss Biotransformation of drugs. Describe the factors influencing drug metabolism.

II. Short Notes: (10X6=60)

1. Discuss any two screening procedures for anti-diarrhoeal agents.
2. Write a brief account on Bioavailability.
3. Give note on chemical induced diabetes.
4. Describe any two screening procedures for CNS stimulants.
5. Explain two animal models for the screening of anti-inflammatory Agents.
6. Write a short note on teratogenicity.
7. Explain the following terms: 1) Therapeutic index
2) Tolerance
8. Write a brief note on yeast induced pyrexia.
9. Explain the principles of drug action.
10. Describe a screening procedure for skeletal muscle relaxants.

M.D.(SIDDHA) DEGREE EXAMINATION
SECOND YEAR
BRANCH I – MARUTHUVAM
PAPER II – INTRODUCTION TO PHARMACOLOGY WITH
THERAPEUTIC EMPHASIS
Q.P. Code: 322119

Time: Three Hours

Maximum: 100 Marks

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

1. Write detailed principles and procedures for screening of Anti-Diabetic agents.
2. Discuss the procedures of screening and evaluation of anti-diarrheal drugs.

II. Short Notes: **(10 x 6 = 60)**

1. Discuss any two screening procedures for anti-ulcer drugs.
2. Write a brief note on excretion of drugs.
3. Write short notes on writhing test in mice.
4. Write a brief note on Pylorus ligated ulceration in rats.
5. Write the screening methods for anti-epileptic drugs.
6. Give a brief note on MPTP induced Parkinsonism.
7. Write a note on screening of anti-allergic drugs.
8. What is receptor? Classify according to transduction mechanism.
9. Write one screening method of local anaesthetics.
10. Discuss about evaluation of anti-inflammatory agents.

[LH 2119]

OCTOBER 2015

Sub.Code :2119

M.D.(SIDDHA) DEGREE EXAMINATION

SECOND YEAR

BRANCH I – MARUTHUVAM

PAPER II – INTRODUCTION TO PHARMACOLOGY WITH
THERAPEUTIC EMPHASIS

Q.P. Code : 322119

Time: Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss in detail about the drugs used for peptic ulcer.
2. Enumerate the drugs used for Hypertension. Discuss in detail the screening procedures for anti-hypertensive drugs.

II. Short Notes on:

(10 x 6 = 60)

1. Write the principles and uses of Plethysmograph.
2. Discuss the methods of Evaluation of anti-pyretic drugs.
3. Write a short note on Aminoglycosides.
4. Write briefly on Bioavailability and plasma half life.
5. Discuss the methods of Blood collection in animals.
6. Write a note on Diazepam.
7. Write briefly on Chronic toxicity studies.
8. Discuss the various methods of evaluating analgesic drugs.
9. Enumerate the Corticosteroids. Write briefly on their actions, adverse effects and uses.
10. Write a note on haemostatics.

[LI 2119]

APRIL 2016

Sub.Code :2119

M.D.(SIDDHA) DEGREE EXAMINATION

SECOND YEAR

BRANCH I – MARUTHUVAM

**PAPER II – INTRODUCTION TO PHARMACOLOGY WITH
THERAPEUTIC EMPHASIS**

Q.P. Code : 322119

Time: Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Classify analgesics. Describe the pharmacological actions, therapeutic uses, adverse effects and contraindications of opioid analgesics.
2. Enumerate the drugs used for cardiac failure. Discuss in detail the screening procedures for cardiac failure.

II. Short Notes on:

(10 x 6 = 60)

1. Write a brief note on parenteral routes of drug administration.
2. Discuss in detail the Evaluation of anti-diabetic drugs.
3. Write a short note on anti-malarial drugs.
4. Write briefly on drugs for constipation.
5. Write short notes on interpolation assay using frog rectus.
6. Write a note on alpha adrenergic blockers.
7. What is carcinogenicity? How will you evaluate it?
8. Write the principles and uses of actophotometer.
9. Discuss the Drugs used in Parkinsonism.
10. Write a note on the Evaluation of drugs used in Bronchial asthma.

[LJ 2119]

OCTOBER 2016

Sub.Code :2119

**M.D.(SIDDHA) DEGREE EXAMINATION
SECOND YEAR**

BRANCH I – MARUTHUVAM

**PAPER II – INTRODUCTION TO PHARMACOLOGY WITH
THERAPEUTIC EMPHASIS**

Q.P. Code : 322119

Time: Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe in detail the various routes of drug administration. Add a note on the advantages and disadvantages of each route.
2. Enumerate the drugs used for fever. Discuss in detail the screening procedures for anti-pyretic drugs.

II. Short Notes:

(10 x 6 = 60)

1. Give suitable examples and explain the following
 - a) Prodrug.
 - b) First pass metabolism.
2. Discuss the methods of Evaluation of drugs used in fever.
3. Write a short note on Metronidazole.
4. What is the Dose response curve? How will you plot a dose response curve of acetylcholine?
5. Write briefly on Diuretics.
6. Write a note on Shay rat.
7. Write the principles and uses of Actophotometer.
8. What are the Non sedative anti-histamines? Write a note on them.
9. Write briefly on Acute toxicity studies.
10. What are the preparations and actions of Insulin?

M.D.(SIDDHA) DEGREE EXAMINATION

SECOND YEAR

BRANCH I – MARUTHUVAM

**PAPER II – INTRODUCTION TO PHARMACOLOGY WITH
THERAPEUTIC EMPHASIS**

Q.P. Code : 322119

Time: Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Classify Diuretics and write briefly about the pharmacological actions of high ceiling diuretics and how will you evaluate diuretic drugs?
2. Discuss in detail about the advantage and disadvantages of Oral route of drug administration by giving suitable examples.

II. Short Notes:

(10 x 6 = 60)

1. Define bioassay and write briefly about the indications and the importance of bioassay.
2. Write a short on the following: a) Methods of Biotransformation
b) Drug tolerance.
3. Write any two experimental methods to evaluate the drugs used as bronchodilators.
4. Discuss briefly about the pharmacological actions and therapeutic uses of calcium channel blockers.
5. Write a short on the following: a) Forced swim test
b) Elevated plus maze.
6. Discuss briefly about different toxicity studies carried on animals.
7. Write a note on the following: a) Yeast induced pyrexia
b) Adjuvant arthritis.
8. Write a short note on: a) Dopamine precursor b) Heparin.
9. Write a brief account on the following: a) Ciprofloxacin
b) Uses of Penicillin G.
10. Discuss briefly about the mechanism of action of Oral antidiabetic drugs.

[LL 2119]

OCTOBER 2017

Sub. Code: 2119

M.D. (SIDDHA) DEGREE EXAMINATION

SECOND YEAR

BRANCH I – MARUTHUVAM

**PAPER II – INTRODUCTION TO PHARMACOLOGY WITH
THERAPEUTIC EMPHASIS**

Q.P. Code : 322119

Time: Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain in detail about the movement of drug in the body and the factors influencing drug absorption by giving suitable examples.
2. Classify antihypertensive drugs and write briefly about the pharmacological actions of Calcium channel blockers and how will you evaluate the drugs used as hypertension.

II. Short Notes:

(10 x 6 = 60)

1. Write briefly about the significance and the factors influencing plasma half-life.
2. Write a note on:
a) Drug synergism b) Drug antagonism.
3. Discuss briefly about the adverse drug reactions with suitable examples.
4. Write a short on following:
a) Actophotometer b) Plethysmograph.
5. Write briefly about the therapeutic uses of Proton pump inhibitors.
6. Describe any two experimental methods to evaluate anti-inflammatory drugs.
7. Write a short note on the mechanism of action of Phenytoin.
8. Discuss in detail about the limitations of animal tests with suitable examples.
9. Write any two experimental methods to evaluate the drug used as cardiotonics.
10. Write any two experimental methods to evaluate the drug used as an anti-histamines.

M.D. (SIDDHA) DEGREE EXAMINATION

SECOND YEAR

BRANCH I – MARUTHUVAM

**PAPER II – INTRODUCTION TO PHARMACOLOGY WITH
THERAPEUTIC EMPHASIS**

Q.P. Code : 322119

Time: Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Classify Antidiabetic agents and explain the pharmacological actions and discuss how anti diabetic drugs are evaluated?
2. Explain in detail about the mechanism of drug actions and outline the various factors affecting the actions of drugs.

II. Short Notes:

(10 x 6 = 60)

1. Write a short note on: a) Special drug delivery system
b) Passive transfer.
2. Write an account on: a) First order kinetics
b) Methods of prolongation of drug action.
3. Discuss briefly about: a) Side effects
b) Intolerance c) Toxic effects.
4. Discuss about the clinical trials conducted to compare the therapeutic efficacy of a new drug with a placebo or existing drug.
5. Discuss any two experimental methods to evaluate the drugs used for anti-arrhythmia.
6. Explain any two experimental methods to evaluate the drug used for anti-ulcer.
7. Write a short note on: a) Preanaesthetic medication.
b) Therapeutic window.
8. Discuss on the following apparatus: a) Rota-rod b) Electroconvulsimeter.
9. Write a short on: a) Primary screening of drugs
b) Tail suspension test.
10. Write an account on: a) Central cough suppressants
b) Antidiarrheal agents.

[LN 2119]

OCTOBER 2018

Sub. Code: 2119

M.D. (SIDDHA) DEGREE EXAMINATION

SECOND YEAR

BRANCH I – MARUTHUVAM

**PAPER II – INTRODUCTION TO PHARMACOLOGY WITH
THERAPEUTIC EMPHASIS**

Q.P. Code : 322119

Time: Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define parenteral route and explain in detail about the advantages and disadvantages of intravenous and intramuscular route by giving suitable examples.
2. Classify NSAIDS and write briefly about the pharmacological actions of Salicylates and how will you evaluate the drugs used as anti-inflammatory?

II. Short Notes:

(10 x 6 = 60)

1. Write briefly about the special drug delivery system in order to improve patients compliance.
2. Write a note on:
a) First pass metabolism b) Drug receptor.
3. Discuss any two experimental procedures to evaluate analgesic drugs.
4. Write a short on following:
a) Two kidney one clip method b) pyloric ligation method.
5. Write briefly about the therapeutic uses of Atropine.
6. Describe any two experimental methods to evaluate local anaesthetics.
7. Write a short note on Type I (Anaphylactic) reactions.
8. Discuss in detail about the limitations of animal tests with suitable examples.
9. Write any two experimental methods to evaluate the drug used as an anti-arrhythmic agents.
10. Write any two experimental methods to evaluate the drug used as anti-Neoplastic agents.
