

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

[MD(SIDDHA) 0321]

MARCH 2021

Sub. Code: 3113

(OCTOBER 2020 EXAM SESSION)

M.D. (SIDDHA) DEGREE EXAMINATION

THIRD YEAR

BRANCH I - POTHU MARUTHUVAM

PAPER III – INTRODUCTION TO PHARMACOLOGY WITH THERAPEUTIC EMPHASIS

Q.P. Code : 323113

Time : Three hours

Answer ALL Questions

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. Classify Oral antidiabetic drugs and briefly write about the pharmacological actions and therapeutic uses of Thiazolidinediones.

II. Write notes on:

(10 x 6 = 60)

1. Define bioassay and write briefly about the indications and importance of bioassay.
2. Write short note on the following:
 - a) Methods of Biotransformation
 - b) Drug tolerance.
3. Write any two experimental methods to evaluate the drugs used as bronchodilators.
4. Write a note on the following:
 - a) Therapeutic index.
 - b) G-protein coupled receptors.
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 short note on the following:
 - a) Cat papillary method.
 - b) Embryonic chick heart.
10. Write any two evaluation methods of antifertility test in male.
