

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

[MD(SIDDHA) 0222]

**FEBRUARY 2022
(OCTOBER 2021 EXAM SESSION)**

Sub. Code: 2145

**M.D. (SIDDHA) DEGREE EXAMINATION
THIRD YEAR (Modified Regulations upto 2016-2017)
BRANCH II – GUNAPADAM
PAPER III – APPLIED PHARMACOLOGY INCLUDING
MEDICINAL CHEMISTRY AND BIOASSAY OF DRUGS
*Q.P. Code :322145***

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Classify anti-asthmatic agents and write briefly about the pharmacological actions of bronchodilators and how will you evaluate anti-asthmatic drugs discuss.
2. Classify elaborately about different preparations of insulin and explain its pharmacological actions and therapeutic uses and how anti-diabetic agents evaluated.

II. Write notes on:

(10 x 6 = 60)

1. Write briefly about the advantages and disadvantages of sublingual route of drug administration.
2. What is prodrug and how can we overcome the disadvantages of the conventional form of drug administration.
3. Define bioassay and discuss the methods of bioassay by giving suitable examples.
4. Write down the therapeutic uses of Angiotensin converting enzyme inhibitors.
5. Write a note on the following: a. Analgesiometer b. Intra –dermal wheal method.
6. Discuss any two methods to evaluate anti-epileptic agents.
7. Define anti-fertility agents and discuss any two methods to evaluate anti fertility.
8. What are cephalosporins and mention its therapeutic uses.
9. Write about prokinetics and its pharmacological actions and therapeutic uses.
10. Limitations of animal studies.
