

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

[MD(SIDDHA) 1122]

**NOVEMBER 2022
(OCTOBER 2022 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. Define pharmacodynamics and explain in detail about the mechanism of drug actions and factors modifying drug effects giving suitable examples.
2. Classify elaborately about the drugs used for peptic ulcer and discuss the pharmacological actions and therapeutic uses of H₂ Receptor antagonist giving suitable examples.

II. Write notes on:

(10 x 6 = 60)

1. Write a short note on Median lethal dose (LD₅₀) and Median effective dose (ED₅₀).
2. Write an account on:
 - a) Plasma half-life.
 - b) Zero order kinetics.
3. Discuss briefly about:
 - a) Anaphylactic reactions.
 - b) Arthus reactions.
4. Discuss briefly about intravenous route and outline its advantages and disadvantages with suitable examples.
5. Discuss any two experimental methods to evaluate the drugs used as Antihypertensives.
6. Explain any two experimental methods to evaluate the drug used as Antiemetics.
7. Write a short note on:
 - a) Uses of Penicillin-G.
 - b) Methotrexate.
8. Write any two evaluation methods of Anti-inflammatory drugs in animals.
9. Write a short note on:
 - a) Microbiological assay.
 - b) Writhing test.
10. Write any two methods of evaluations of Haematinics in animals.
