

[LO 2113]

MAY 2019

Sub. Code: 2113

**M.D. (SIDHA) DEGREE EXAMINATION
FIRST YEAR**

**BRANCH III & IV– SIRAPPU MARUTHUVAM & KUZHANDHAI
MARUTHUVAM**

**PAPER IV – MARUNDHIYAL
(Pharmacology)**

Q.P. Code :322113

Time: Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Classify antihypertensive drugs and describe in detail about the pharmacological actions and therapeutic uses of ACE-inhibitors.
2. Classify preparations of Insulin. And explain in detail about the actions of insulin, mechanism and side effects of Insulin preparations.

II. Short Notes:

(10 x 6 = 60)

1. What is Jet injection? Where it is used?
2. Bioavailability is frequently lower after oral absorption. Why?
3. Explain plasma protein binding of drugs influences the duration of action of drugs.
4. What is phase-I reaction? Give examples.
5. What are the actions of atropine on secretions?
6. Why loop diuretics are called “High ceiling diuretics”?
7. Explain the mechanism of action of Omeprazole and mention specific indication of its uses.
8. Mention the therapeutic uses of Penicillin as the choice for several infections.
9. Write a note on the fourth generation of cephalosporins and mentions its therapeutic uses.
10. Write a note on Methotrexate and mentions its therapeutic uses.
