

**M.D. (SIDDHA) DEGREE EXAMINATION**  
**THIRD YEAR**  
**BRANCH II – GUNAPADAM**  
**PAPER III – APPLIED PHARMACOLOGY INCLUDING**  
**MEDICINAL CHEMISTRY AND BIOASSAY OF DRUGS**

*Q.P. Code :322145*

**Time: Three Hours**

**Maximum : 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Classify anti-epileptic drugs and write briefly about the pharmacological actions and how the drugs are evaluated in the treatment of epilepsy?
2. Describe elaborately about the pharmacological actions of Oral iron preparations and how will you evaluate the drugs used for treatment of Anaemia.

**II. Write notes on:**

**(10 x 6 = 60)**

1. Advantage and disadvantages of parenteral route.
2. Carrageenan induced hind paw.
3. Toxicity studies in animals.
4. Phases of clinical trials.
5. Shay rat method.
6. Tail suspension test.
7. Antifertility studies.
8. Methods of testing antidiabetic drugs.
9. Methods of testing drugs in cancer.
10. Primary screening of drugs.

\*\*\*\*\*