

**M.D. (SIDHA) 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. Describe the role of H₂ receptor antagonists in the treatment of peptic ulcers and how will you evaluate the drugs used for treatment of gastric ulcers?
2. Classify anticancer agents and discuss the pharmacological actions of anti-metabolites and how will you evaluate anticancer agents.

II. Write notes on:

(10 x 6 = 60)

1. Methods of bioassay.
2. Bioavailability.
3. Aims of animal test
4. Rotarod.
5. Plethysmograph.
6. Cutaneous administration.
7. Methods of testing drug used in cough.
8. Calcium channel blockers.
9. Heparin.
10. Sex difference in response to drugs.
