

**VINAYAKA MISSION'S RESEARCH FOUNDATION
(DEEMED TO BE UNIVERSITY), SALEM**

**M.PHARM. DEGREE EXAMINATION – July 2019
Second Semester**

BRANCH: PHARMACOLOGY

ADVANCED PHARMACOLOGY - II

Time : Three hours

Maximum: 75 marks

**(Draw neat labeled diagrams wherever necessary
your answer should be specific to the questions asked)**

SECTION –A

I. Answer any **THREE** questions: **(3 x 15 = 45)**

1. Define antibiotics. Explain the general mechanisms of action of various antibiotics. Explain the various ways by which the organisms develop antibiotic resistance.
2. Discuss the pathophysiology and management of tuberculosis.
3. Explain the molecular and cellular mechanism of action of thyroid hormones.
4. Write note on pharmacotherapy of asthma.

SECTION –B

II. Answer any **THREE** questions: **(3 x 10 = 30)**

5. Explain the drugs used in protozoal infections.
6. Classify oral hypoglycemic agents with the mechanism of action, adverse effects and contraindication.
7. Brief about biological and circadian rhythms.
8. Mention the recent advances in treatment of Parkinsons diseases.