

Sl.No: M19513

Course Code: MPL201T

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

**M.PHARM. DEGREE EXAMINATION – December 2018  
Third Semester**

**BRANCH: PHARMACOLOGY**

**ADVANCED PHARMACOLOGY II**

Time : Three hours

Maximum: 75 marks

**SECTION –A**

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

1. Explain the molecular and cellular mechanism of action of insulin and sex hormones.
2. Classify antibiotics based on their site of action with examples. Describe the mechanism of action, spectrum of activity and therapeutic uses of macrolide antibiotics.
3. Discuss the pathophysiology and chemotherapy of cancer.
4. Write note on cellular and biochemical mediators of inflammation and immune response.

**SECTION –B**

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

5. Classify antiulcer drugs and explain the mechanism of action, adverse effects and contraindication.
6. Brief about drugs affecting calcium regulation.
7. Mention the application of chronotherapy in diabetes mellitus.
8. Explain the generation of free radicals in neurodegenerative diseases.

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