

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

M.PHARM. DEGREE EXAMINATION – JANUARY 2021

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. Outline the significance of insulin in Type - I Diabets Mellitus and discuss the mechanism of action of Insulin.
2. What are β – lactam antibiotics and classify Cephalosporin. Discuss the Cellular mechanism and clinical uses of Cephalosporin.
3. Classify anticancer agents. Discuss the mechanism of action, adverse effects, contraindications and clinical issues of Antimetabolites.
4. Classify Purgatives and outline its therapeutics uses. Discuss the Pharmacology of Stimulated and Osmotic Purgatives.

SECTION –B

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

5. Define Chronopharmacology. Discuss the applications of chronotherapy with suitable examples.
6. Define and classify Asthma. Discuss the Pharmacotherapy of Asthma.
7. Explain the mechanism of chemotherapeutic agents that influences protein synthesis with suitable examples.
8. Discuss the cellular and biochemical mediators associated with inflammation.