

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

**M.D. DEGREE EXAMINATION - May 2019**

**PHARMACOLOGY**

**PAPER III : SYSTEMIC PHARMACOLOGY  
(PHARMACODYNAMICS AND PHARMACOKINETICS OF  
VARIOUS DRUGS)**

Time: Three hours

Maximum: 100 marks

**Answer ALL questions**

**SECTION - A**

**I. Essay:** **(1 x 20 = 20)**

1. Discuss the various drugs and their indications in community acquired pneumonia management.

**II. Write short notes on:** **(5 x 6 = 30)**

2. Anti-viral agents in Hepatitis – C infection.
3. Management of toxic effects of anti-cancer drugs during therapy.
4. Insulin delivery devices.
5. Role of monoclonal antibodies in pharmacotherapeutics.
6. Clinical applications and precautions of glucocorticoids.

**SECTION - B**

**I. Essay:** **(1 x 20 = 20)**

7. Discuss the pharmacology of the drugs used in type II diabetes mellitus giving importance to combination therapy.

**II. Write short notes on:** **(5 x 6 = 30)**

8. Prostaglandins as therapeutic agents.
9. Calcimimetics
10. Adenosine
11. Myeloid growth factors
12. Immunostimulants.

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