

Sl.No. M21617

Course Code: 3200301

**VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM  
(Deemed to be University)**

**Pharm.D DEGREE EXAMINATION - July 2019  
Third Year**

**PHARMACOLOGY - II**

Time: Three hours

Maximum: 70 marks

I. Write essays on any **TWO** questions: (2 x 15 = 30)

1. What is cell signaling? Explain any two kinase signal transduction pathway.
2. Define antibiotics. Explain the general mechanism of action of various antibacterial agents. Discuss the pharmacology of penicillins.
3. Classify antiviral drugs, pharmacology actions and therapeutic uses.

II. Write short answers on any **SIX** questions: (6 x 5 = 30)

4. Classify the anti TB drugs. Write treatment of TB as per DOTS.
5. Brief the Nucleotide Reverse Transcriptase inhibitors.
6. Write a note on immunosuppressive corticosteroids.
7. Cell cycle regulators and modifiers.
8. M- TOR inhibitors.
9. Write note on loop diuretics.
10. Write note on Hematinics.
11. Oral anticoagulants.

III. Write short notes on any **FIVE** question: (5 x 2 = 10)

12. Macromolecules.
13. Write a note on gene mapping.
14. Chronic toxicity.
15. Antibiotics resistance.
16. Ciprofloxacin.
17. Aldosterone antagonist.

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