

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

Pharm.D DEGREE EXAMINATION - August 2018
Third Year

PHARMACOLOGY - II

Time: Three hours

Maximum: 70 marks

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

1. Classify diuretics. Explain the pharmacological actions of Furosemide and add a note on its adverse effects.
2. Classify anti-tubercular agents. Write the mechanism of action of Isoniazid and rifampicin and describe the combination regimens of TB treatment.
3. Explain the various phases of cell cycle. Explain the role of restriction point and regulations of cell cycle.

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

4. Write about anticoagulants.
5. Mechanism of action of sulfonamides.
6. Classification of antiviral agents.
7. Classification of immune stimulants.
8. Write a note on chronic toxicity.
9. Gene mapping.
10. DNA replication.
11. Mechanism of protein synthesis.

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

12. Examples of antiplatelets.
13. Mention any two aminoglycoside antibiotics.
14. Define acute toxicity.
15. Chromatin structure.
16. Transcription.
17. Gene therapy.