

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

**B.Sc. (NEURO SCIENCE TECHNOLOGY) DEGREE
EXAMINATION - September 2021
Second Year**

PHARMACOLOGY

Time: Three hours

Maximum: 75 marks

I. Write an Essay on any **ONE** of the following: (1 x 20 = 20)

1. Write the chemistry, pharmacological action and mechanism of cardiac glycosides – Digoxin.
2. Classify diuretics and write the mechanism, pharmacokinetic, adverse effect, dose of high ceiling diuretics.

II. Write short notes on any **TWO** of the following: (2 x 10 = 20)

3. Route of drug administration.
4. Classify anti cholinesterase and explain its mechanism.
5. Write the history, principle and types of primary solution.
6. Classify local anaesthetic and write the mechanism and uses.

III. Write short answers on any **SEVEN** of the following: (7 x 5 = 35)

7. Biotransformation (metabolism).
8. Drugs used in the treatment of shock.
9. Mechanism of Benzodiazepine.
10. Explain about mucolytic drugs.
11. Insulin.
12. Penicillin.
13. Preparation and uses of IV fluids.
14. Preparation and doses of corticosteroids.
15. Classification of anticonvulsant drugs and uses.
16. Principle and types of cardioplegic drugs.