

**VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM
(Deemed to be University)****B.Sc. (Allied Health Sciences) & M.Sc (Integrated Programs in Cardiac
Technology) DEGREE EXAMINATION – September 2021****Second Year****APPLIED PHARMACOLOGY**

Time: Three hours

Maximum: 75 marks

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

1. Define hypertension. Classify antihypertensive drugs and explain about diuretic drugs.
2. Classify general anaesthetic and briefly explain about inhalational anaesthetic drugs.

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

3. Write the pharmacological actions and uses of atropine.
4. Briefly explain about lipid lowering and anti atherosclerotic drugs.
5. Classify anti anginal and write the mechanism and uses of nitrates.
6. Explain about mucokinetic and mucolytic agents.

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

7. Explain about coronary vasodilators.
8. Classify opioid receptor and opioid antagonist, write transducer mechanism.
9. Management and pharmacological protection during CPB.
10. Mechanism and uses of corticosteroids.
11. Renal physiology
12. Sulfonamides – Chemistry, mechanism and uses.
13. Classify cephalosporin drugs and explain about second generation drugs.
14. Classify antitubercular drugs and write about isoniazid.
15. IV fluid preparation.
16. Drugs used in perfusion technology.
