

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

**B.PHARM. DEGREE EXAMINATION – October 2021**  
**Fifth Semester**

**PHARMACOLOGY - II**

Time : Three hours

Maximum: 75 marks

I. Write essays on any **TWO** questions: (2 x 10 = 20)

1. Classify NSAIDs. Discuss the mechanism of action, pharmacological action, side effects and uses of Selective COX2 inhibitors.
2. Classify the anti-angina drugs. Write the mechanism of action and pharmacological action of nitrate.
3. i) What are the actions of insulin?  
ii) List out the different insulin preparation and delivery devices.

II. Write short answers on any **SEVEN** questions: (7 x 5 = 35)

4. Mechanism of action and adverse effects oral contraceptives.
5.  $\alpha$  - glucosidase enzyme Inhibitors.
6. Bioassay of insulin.
7. Compare and Contrast first and second generation anti – histamines.
8. Classify thrombolytic drugs. Write their mechanism of action and therapeutic uses.
9. Describe the steps involved in synthesis and metabolism of bradykinins.
10. Write a note on metformin.
11. Bioassay of oxytocin.

III. Write short notes on : (10 x 2 = 20)

12. Define hematinics.
13. Name two vasopressin analogues.
14. Name two osmotic diuretics.
15. Give two examples of invitro anticoagulants.
16. Anabolic steroids.
17. Define tocolytics.
18. Define bioassay.
19. Name two calcium channel blockers.
20. Name two Leukotriene antagonists.
21. Drugs used in the therapy of cardiogenic shock.