



P. Pages : 1

Time : Three Hours



AW - 2283

Max. Marks : 80

- Notes :
1. All question carry equal marks.
 2. Answer **any eight** questions.
 3. Illustrate your answer necessary with the help of neat sketches.
 4. Use of pen Blue/Black ink/refill only for writing the answer book.

1. Define Allergy? Classify Plant Allergens with examples? Add a note on Immunotherapy? 10
2. a) Plants used in management of Hypertension. 10
b) Isolation and estimation of Ephedrine.
3. Describe the role of medicinal and aromatic plants in National Economy. 10
4. Describe in detail novel medicinal agents obtained from marine source? 10
5. a) Application of immobilized enzymes. 10
b) Preparation of Ghutika.
6. Discuss in detail about herbs used in cosmetics? 10
7. How will you determine the alcohol content in Arishtas and Asavas? 10
8. What is Tissue culture? Enlist types of Tissue culture? Give the applications of plant tissue culture in pharmacy? 10
9. Determination of Bitterness value of crude drugs? 10
10. Write short notes on **any two**. 10
 - a) Herbs and Health food.
 - b) Management of Liver disorder.
 - c) HPTLC.
