



Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary. Answer all questions

**LONG ESSAY (Answer any TWO)**

**2 X 20 = 40 Marks**

1. Describe the Phytochemistry of plant PHENOLS & ALKALOIDS
2. Elaborate on the extrinsic factors that affect the production of crude drugs
3. Outline the biosynthesis of important cardenoloides

**SHORT ESSAY (Answer any FIVE)**

**5 X 10 = 50 Marks**

4. Review antifertility agents obtained from plants
5. Write a short essay on recent advances in phytochemical research
6. Detail the methods for screening anti-obesity agents of plant origin
7. Discuss the role of cytokinins and abscisic acid in plant growth
8. Explain the structural elucidation of NICOTINE
9. Comment upon cultivation & post harvest care of SENNA

**SHORT NOTES**

**2 X 5 = 10 Marks**

10. Biodiversity Law
11. Guggul

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