



ADVANCED PHARMACOGNOSY AND PHYTOCHEMISTRY

(Revised Scheme 2)

Q.P. CODE: 9212

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY (Answer any TWO)

2 X 20 = 40 Marks

1. a) Explain the general aspects involved in the cultivation of medicinal plants.
b) Explain the role of Edaphic factors and growth regulators and inhibitors in the production of crude drug.
2. Give the information of screening and review of literature for:
 - a) Antimicrobials and antivirals
 - b) Cardiovascular agents
3. a) Explain the present status of important marine bioactive agents.
b) Give the definitions, principles and applications of complementary alternative medicines.

SHORT ESSAY (Answer any FIVE)

5 X 10 = 50 Marks

4. Elucidate the Morphine structure.
5. Explain the general methods of isolation and purification of marine drugs.
6. Give the biosynthetic pathway of cardiac glycosides.
7. Write in detail about the recent advances in phytochemical research.
8. Explain the ex-situ method of cultivation for the conservation of medicinal plants.
9. Give the detailed profiles for commercial cultivation technology and post harvest care for:
 - a) Isapgol
 - b) Medicinal Yams

SHORT NOTES

2 X 5 = 10 Marks

10. Write a note on WTO and TRIPS.
11. Explain the technology for commercial scale cultivation and processing of Basil, an aromatic plant.

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