

[Time: 3 Hours] [Max. 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)

- 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.

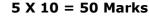
SHORT ESSAY (Answer any FIVE)

- 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

- 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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2 X 5 = 10 Marks

[Max. Marks: 100]

2 X 20 = 40 Marks

Oct/Nov 2014



First Year M.Pharm Degree Examination