QP CODE:403006 Reg.No:

Final Year B.Pharm Degree Examinations - July 2015

PHARMACOGNOSY - III

Time: 3 Hours Total Marks: 100

• Answer all Questions.

Draw diagrams wherever necessary.

Essay (3x10=30)

1. Define glycosides and classify them. Explain the chemistry and biosynthetic pathway of cardio active glycosides

- 2. Explain in detail the world wide trade in medicinal plants and its role in the development of national economy
- 3. What are the applications of transgenic plants. Add a note on gene mapping of plants

Short notes (14x5=70)

- 4. Chemistry of sesquiterpenes with example
- 5. Explain the pathway for the biosynthesis of atropine
- 6. Role of NMR spectroscopy in elucidation of structure
- 7. Define explants and explain the reagents used for sterilization of explants
- 8. Root tip culture
- 9. Define herbal neutraceuticals giving specific examples
- 10. Medicinally important lignans
- 11. Sources and the uses of pentacyclic triterpenoids
- 12. In-situ conservation of medicinal plants
- 13. Chemical evaluation of crude drugs
- 14. Chemistry and biogenesis of ephedrine
- 15. Isolation and culture of plant protoplasts
- 16. Herbs used in the development of herbal cosmetics
- 17. Methods of adulteration of crude drugs
