

# **2012 scheme**

**QP CODE: 413006**

**Reg. No: .....**

## **Final Year B.Pharm Degree Supplementary Examinations December 2021 Pharmacognosy – III**

**Time: 3 Hours**

**Total Marks: 100**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw Diagrams wherever necessary*

**Essays**

**(3x10=30)**

1. Write the chemistry, biogenesis and pharmacological activity of medicinally important One diterpene compound and one triterpene compound.
2. Discuss the macro and micro nutritional requirements for the growth and maintenance of plant tissue culture. How Callus culture and Suspension culture are produced and maintained.
3. What are Herbal cosmetics. Write the biological sources, chemical constituents of ingredients and uses of any three popular herbal cosmetics available in the market having different uses.

**Short notes**

**(14x5=70)**

4. Methods of adulteration of crude drugs
5. Brief notes on Gene mapping of plants
6. Role of medicinal plants in national economy
7. Applications of plant tissue culture
8. Source, chemistry and pharmacological activity of atropine
9. Biogenesis of Morphine
10. Role of WHO in the evaluation of Herbal formulations
11. IR spectral approaches to simple molecular of natural origin.
12. Methods of evaluation herbal oils.
13. Requirements for patenting of Medicinal plants in India
14. Role of plant based institutions involved in work on medicinal or aromatic plants.
15. Endangered and endemic species of India.
16. Chemistry of medicinally important Lignans
17. Worldwide trade of Ginseng and Aloes.

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