

2010 Scheme

QP CODE:403006

Reg. No:

Final Year B.Pharm Degree Supplementary Examinations April (November), 2020

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. Discuss the chemistry and biosynthesis of any two flavonoid compounds of pharmaceutical importance. Explain their pharmacological activity.
2. What is callus culture. Explain in detail how a callus culture of a seed is developed and maintained in a nutritional medium. Discuss also the aseptic technique to be followed while developing the callus culture.
3. Explain the chemistry, biogenesis and pharmacological activity of a compound having antimalarial activity and a compound having antihypertensive activity.

Short notes

(14x5=70)

4. Dental care agents from natural sources.
5. A brief account on “in-situ conservation of biodiversity”
6. Biosynthesis of digitoxin
7. How poly herbal formulations are evaluated
8. Various methods of adulteration of crude drugs
9. Role of medicinal and aromatic plants in national economy
10. An account of herbal health foods with examples
11. Medicinally important lignans
12. Discuss the chemistry and pharmacological activity of vinca alkaloids.
13. Screening of phytochemicals to elucidate their chemical structure.
14. Role of HPTLC in the evaluation of herbal formulation.
15. Summarize the reasons for the popularity of herbal cosmetics.
16. Chemistry and biogenesis of a sesquiterpene compound.
17. Explain the significance of gene mapping of plants
