

2012 scheme

QP CODE: 413006

Reg. No:

Final Year B.Pharm Degree Supplementary Examinations June 2022 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. Chemically classify alkaloids. Describe the biosynthesis of hyoscyamine (4+6)
2. Describe briefly the commercial trading of taxol and ginseng (5+5)
3. What is totipotency. Enumerate types of cultures and tissue culture media (3+3+4)

Short notes

(14x5=70)

4. Various spectroscopic methods applied for identification of natural molecules
5. Chemistry and biogenesis of a monoterpene
6. Chemistry of sennosides
7. Biogenesis of flavonoids
8. Trading of tropane alkaloid drugs
9. Industries handling medicinal and aromatic plants
10. Methods of germ plasm conservation
11. Application of plant tissue culture in pharmacognosy
12. Gene mapping
13. Development of herbal formulations
14. Methods of adulteration of crude drugs
15. Nutraceuticals
16. Herbal cosmetics
17. Chemistry of opium alkaloids
