

2012 Scheme

QP CODE: 312006

Reg. No:

Third Year B.Pharm Degree Supplementary Examinations May 2023 Pharmaceutical Chemistry IV

(Chemistry of Natural Products)

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*
- *Write chemical structures/equations wherever necessary.*

Essay

(3x10=30)

1. Elucidate the structure of Ephedrine.
2. Explain primary, secondary and tertiary structures of proteins. Add a note on polypeptides.
3. Explain the structure determination of glucose.

Short notes

(14x5=70)

4. Write a note on non-reducing sugars with suitable examples.
5. Isoelectric point.
6. Discuss the general Isolation methods of alkaloids.
7. Discuss the SAR of cardiac glycosides
8. Write the pharmaceutical uses of Vitamin D.
9. Explain the chemistry of caffeine
10. Saponification value with its significance.
11. Chemistry of bile acids.
12. Structural features of insulin.
13. Note on chemistry and uses of thyroid hormones.
14. Enumerate the uses of anabolic steroids.
15. Classify Terpenoids with examples.
16. Elucidate the structure of Vitamin B₂.
17. Enlist the uses of synthetic corticosteroids.
