

QP CODE: 302006 (Old Scheme)

Reg. No:

Third Year B.Pharm Degree Supplementary Examinations
January 2018

PHARMACEUTICAL CHEMISTRY IV
(Chemistry of Natural Products)

(2010 Scheme)

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Write chemical structures/equations wherever necessary.

Essay

(3x10=30)

1. Explain the structural elucidation of uric acid
2. Describe in detail about the chemistry of camphor
3. Discuss any three important methods of preparation and chemical properties of amino acids.

Short notes

(14x5=70)

4. Skeletal structure and uses of geraniol and alpha-terpineol
5. Structure of lactose
6. Synthetic anabolic steroids
7. Classification of vitamin with example
8. Relative configuration of any two monosaccharides
9. SAR of cardiac glycosides
10. Biological action and uses of any two synthetic corticosteroids
11. Sequence differences in insulin of human and beef
12. Chemistry of ergo sterol
13. Skeletal structure, numbering and any two uses of theophylline and theobromine
14. Saponification value and iodine value
15. Chemical classification of alkaloids with example
16. Skeletal structure and biological activities of thyroxin
17. Isoelectric point and epimerization
