

QP CODE: 303008

Reg. No.....

**Third B.Pharm (Ayurveda) Degree Regular/Supplementary Examinations
October 2019
Chemistry of Natural products**

Time: 3 Hours

Total Marks: 100

- **Answer all questions**

Essays: (2x10=20)

1. Classify alkaloids with examples. Outline the general methods for the structural elucidation of alkaloids
2. What are cardiac glycosides. Discuss the chemistry including their chemical structures of cardiac glycosides

Short notes: (10x5=50)

3. Classify nucleic acid with examples.
4. Synthesis of cortisone.
5. Chemistry of vitamin C
6. Classification of proteins.
7. Chemistry of ergosterol.
8. Pharmaceutical importance of amino acids.
9. Structure of lactose.
10. Structure elucidation of Ephedrine.
11. Synthesis of Riboflavin.
12. Structures of Prostaglandins

Answer briefly: (10x3=30)

13. Chemistry of bile acids.
14. Identification of alkaloids.
15. Synthesis of thiamine.
16. Chemical test for sapogenins.
17. Source and uses of vitamin D.
18. Test for Steroids.
19. Synthesis of Caffeine.
20. Constitution of thymol.
21. Medicinal uses of chlotrianisane.
22. Features of vasopressin.
