

QP CODE: 303008

Reg. No.....

**Third Professional B. Pharm (Ayurveda) Degree Regular/Supplementary
Examinations March 2024**

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*

Essays:

(2x10=20)

1. Outline the synthesis of Atropine.
2. What are alkaloids. Explain the general methods for determining the structure of alkaloids.

Short notes:

(10x5=50)

3. Chemistry of Thyroxin sodium.
4. Synthesis of amygdalin.
5. Conjugated proteins.
6. Importance of carbohydrates.
7. Constitution of menthol and thymol.
8. Synthesis of vitamin D.
9. Classification of carbohydrates.
10. Nucleotides and nucleosides.
11. Mutarotation.
12. Synthesis of Uric Acid.

Answer briefly:

(10x3=30)

13. Structure and uses of inones.
14. Biological importance of nucleic acid.
15. Constitution of ascorbic acid.
16. Synthesis of progesterone.
17. Synthesis and uses of stilbosterol.
18. General note on strophanthus.
19. Medicinal importance of theobromine.
20. Chemical test to detect carbohydrates.
21. Chemistry of bile acids.
22. Features of vasopressin.
