

## (Revised Scheme 2) www.FirstRanker.com

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Q.P. CODE: 9234

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary. Answer all questions

## LONG ESSAY (Answer any TWO)

2 X 20 = 40 Marks

- 1. Explain the structural elucidation of Reserpine based on chemical degradation, synthesis and spectral data
- 2. a) Write a note on antipseudomonal pencillins and Cephalosporins
  - b) Write the structures and uses of clavulanic acid analogs and Carbapenams
- a) Write the structures, mechanism of action and therapeutic importance of purine and 3. pyrimidine related antineoplastic agents
  - b) Elucidate the structures of vincristine and Vinblastine based on chemical degradation and Spectral data

## SHORT ESSAY (Answer any FIVE)

5 X 10 = 50 Marks

- Write a note on antifertility agents 4.
- 5. Write briefly the chemistry of Insulin. List out the various preparations of Insulin
- 6. Write the active constituents with their chemistry and importance of any two antidiabetic crude
- 7. Discuss the structural elucidation of EMETINE
- 8. Discuss the chemistry of Cardiac glycosides
- 9. Explain the SAR of adrenal cortex hormones

Purine and pyrimidine related antifungal agents

Chemistry of amidonepia: **SHORT NOTES** 2 X 5 = 10 Marks

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  \*\*\*\* 10.
- 11.

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