

(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 emetine
- What are penicillins? Explain the chemistry, stability and biological significance of various penicillins
- a) Explain the metabolism of purines
 - b) Explain the SAR of adrenal cortex hormones

SHORT ESSAY (Answer any FIVE)

5 X 10 = 50 Marks

- Explain the chemistry and biological importance of pyrimidine related antineoplastic agents
- 5. Write the synthesis of
 - a) a β-lactamase resistant cephalosporin
 - b) an antipseudomonal cephalosporin
- Explain the chemistry and SAR of other fused Betalactam systems
- 7. Explain the chemistry and importance of any two antidiabetic crude drugs
- 8. What are cardiac glycosides? Explain their chemistry and SAR
- 9. List out the various preparations of insulin. Write about storage and release of insulin

SHORT NOTES 2 X 5 = 10 Marks

- Morphine derivatives
- 11. Antiparasitic agents

