

FirstRanker.com 9234_2011_1 Rajiv Gandhiw Mari were with Schoolse Rajiv Gandhiw Mari were with the selection of Healthy Science of Healthy Scien First Year M.Pharm Degree Examination - May 2011

[Time: 3 Hours] [Max. Marks: 100]

MEDICINAL CHEMISTRY - II (NATURAL PRODUCTS)

PAPER IV

(RS 2 & RS 3)

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

- Elucidate the structure of emetine.
- 2. Classify semi synthetic penicillins. Give the SAR of \(\beta\)-Lactam antibiotics.
- 3. a) Classify female sex hormones with suitable examples.
 - b) Give the SAR of progesterone.

SHORT ESSAY (Answer any FIVE)

5 X 10 = 50 Marks

- a) Give the classification of cardiac-glycosides with their structures.
 - b) Discuss the chemical degradation of cardiac glycosides.
- a) Classify adrenal cortex hormones. 5.
 - b) Write the synthesis of cortisone from sermentogenin.
- Write the synthesis of reserpine. 6.
- Give five important chemical constituents from a) Salacia reticulata b) Swertia Chirata c)Pterocarpus supium. Mention their medicinal uses.
- 8 Write the synthesis of any three non-steroidal synthetic oestrogenic hormones. Give their medicinal importance.
- Give the chemistry of anti parasitic purine and pyrimidines related agents. 9.

SHORT NOTES

2 X 5 = 10 Marks

- Anti fungal agents
- 11. Morphine derivatives and their identification tests.

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