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(2066)

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B. Pharmacy 6th Semester Examination

Chemistry of Natural Products (NS)

BP-362

Time : 3 Hours

Max. Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

SECTION - A

Answer any two questions:

1. Write in detail the chemistry and pharmacological activities of medicinally important sesquiterpenes.
2. Discuss chemical importance and pharmacological actions of digoxin and sennosides.
3. Describe the chemistry and therapeutic activity of tetracyclines.
(2×10=20)

SECTION - B

Answer any Eight questions:

4. Write in short the medicinal importance of α -carotenoids.
5. Give a brief description on chemistry and pharmacological activities of reserpine.
6. Discuss therapeutic activities of streptomycin.
7. What do you know about the chemistry and activities of isoflavones?

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8. Write short note on morphine.
9. Describe pharmacological importance of citral.
10. Discuss briefly chemical nature and activities of ergot alkaloids.
11. Describe the chemistry including stability of penicillin.
12. Enumerate the pharmacological importance of ephedrine.
13. Write short note on vinca alkaloids. (8×5=40)

SECTION - C

14. Write two limitations of penicillin as antibiotic.
15. Mention two important adverse effects of streptomycin.
16. Write the dose and dosage form available for digitoxin.
17. Mention two pharmacological activities of atropine
18. Outline the pharmacological activities of quinine. (5×2=10)

[P.T.O.]