



3 X 10 = 30 Marks

- Explain different methods for www.FirstRanker.com
- 2. Explain the isolation, purification and characterization of glycyrrhizin and lycophene.
- Explain the biosynthetic pathway of strychnine and digitoxin.
- Explain different in-vitro and in-vivo methods for evaluation of antioxidant and hypolipidaemic activities.

SHORT ESSAY (Answer any Nine)

9 X 5 = 45 Marks

- Write a note on microwave assisted extraction and its applications.
- 6. Explain the importance of atomic absorption spectroscopy.
- Write a note on sequential analysis and competitive feeding for elucidation of biosynthetic pathways.
- Write the biosynthetic pathway for beta carotene.
- Describe the importance of HPTLC as a tool in phytochemical analysis.
- Write the importance of GCMS in phytochemical analysis.
- 11. Explain the methods for evaluation of antipsychotic activity.
- 12. Explain different in-vitro and in-vivo methods for evaluation of antilithiatic activity.
- 13. Describe the selection and optimisation of lead compounds for drugs acting on CNS.
- 14. Explain different phases in clinical trials of drugs.

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