

Q.P. Code :00129

[Time: 3 Hours]

[Marks:70]

Please check whether you have got the right question paper.

- N.B:**
- 1. All questions are compulsory.**
 - 2. Write all sub question together.**
 - 3. Draw structure & diagram wherever necessary.**

- Q.1) Answer the following. 15
- Mention preferred method of extraction for lemon grass oil.
 - Give name & structure of any one ester containing volatile oil.
 - Give source of a drug containing thymol as an active constituent.
 - Give source of any one bufadienolide containing drug.
 - Mention biological source of commercially used steroidal saponin containing drug.
 - Write source of a pentacyclic triterpenoid saponin containing drug used as immunomodulator.
 - Write name and structure of pungent principle of capsicum.
 - Write confirmatory test for colophony.
 - Give name and structure of any one flavonoid from buckwheat.
 - Mention biological source of a drug used in the treatment of Psoriasis.
 - Mention biopotential of Crocin.
 - Mention traditional uses of lehsun.
 - Give biological source of any one herbal flavorant.
 - Give any two example of marketed Ayurvedic taila.
 - Write schedule Y statement as per Drugs and Cosmetics Act.
- Q.2) 04
- Give Pharmacognostic account of Clove **OR** Fennel. 04
 - Give source, Constituents and uses of Kalmegh & Quassia. 03
 - Write a note on any one herbal excipient used in perfumery. 03
- Q.3) 04
- Define Cardenolides. Explain in detail the chemistry of *Digitalis purpurea* & *Digitalis lanata*. 04
 - Give source, constituents & uses of Guggul & Artemesia. 03
 - Write a note on any two herbal excipients used as binding agent. 03
- Q.4) 04
- Give biological sources of citral and write its biosynthetic pathway 04
 - Write a note on Asava & Arista formulations with examples of marketed preparation. 03
 - Enumerate the quality control & safety parameters for herbal drugs as per WHO guidelines. 03
- Q.5) 04
- Give a complete account of Dioscorea . 04
 - Write biological source, constituents, chemical test & uses of Orange peel **OR** Liquorice. 03
 - Write a note on schedule T. 03
- Q.6) 04
- What are pathological resin? Give an account of Benzoin **OR** Asafoetida. 04
 - Write a note on extraction methods for volatile oil. Give benefits of terpeneless volatile oil. 03
 - Write a note on Cannabis. 03