

QP Code : 716901

(3 Hours)

[Total Marks : 70

- N.B. : (1) All questions are **compulsory**.
(2) Write all subquestions together.
(3) **Draw** structure and **diagram** wherever **necessary**.

1. Answer the following :

- (a) Give biological source and uses of any one acyclic monoterpenoidal drug.
 - (b) Enlist methods of extraction of volatile oils.
 - (c) Give biological source of any one carvone containing drug.
 - (d) Give biological source of bufadienolide containing drug.
 - (e) Give biological source of two species of Bramhi.
 - (f) Write structure and specific use of diosgenin.
 - (g) Give biological source of acid-resin containing drug.
 - (h) Mention specific chemical test for detection of Guggul.
 - (i) Give biological source of anticancer drug containing lignan derivative.
 - (j) Write name and biological source of isoflavone containing drug.
 - (k) Give biological source of any one bitter glycoside containing drug.
 - (l) Write biological source of terpenoidal drug used for malaria.
 - (m) Mention chemical constituent responsible for skin care effect of Aloe vera gel.
 - (n) Give two examples of marketed arista formulations.
 - (o) What is Schedule T as per Drugs and Cosmetics act.
2. (a) Give biological source, uses and biosynthetic pathway of Coriandrol. 4
(b) Write a note on any two tetraterpenoids. 4
(c) Give biological source, chemical constituents and pharmaceutical uses of Turmeric. 3
 3. (a) Give an account of commercially used steroidal saponin containing drug. 4
(b) Write biological source, chemical constituents and uses of Kalmegh and Tulsi. 4
(c) Write a note on herbs used as hair colorant. 3
 4. (a) Give a complete pharmacognostic account of Clove **OR** Cassia cinnamon. 4
(b) What is Sodhana process in ayurveda? Explain the concept of sodhana with one example. 4
(c) Explain in brief safety parameters to be evaluated for quality control of herbal drugs as per WHO guidelines. 3
 5. (a) Explain in detail chemical constituents of Digitalis purpurea and Digitalis lanata. 4
(b) Give biological source, chemical constituents and biopotential of Orange peel. 4
(c) Give biological source and chemical tests for Asafoetida. 3
 6. (a) What are balsams? Write a note on any one drug containing balsams. 4
(b) Give an overview of Regulations in herbal medicines. 4
(c) Give source, constituents and preferred method of extraction for Lemon grass oil. 3
