

**Q.P. Code : 00127**

<b>[Time: 3 Hours ]</b>		<b>[ Marks:70]</b>
Please check whether you have got the right question paper.		
<b>N.B:</b>	<b>1. All questions are compulsory.</b> <b>2. Write all sub questions together.</b> <b>3. Draw structure and diagram wherever necessary.</b>	

<b>Q.1.</b>	<b>Answer the following.</b>	<b>15 Marks</b>
	a) Give sources of any two volatile oil containing drug used in perfumery. b) Write source of a drug containing ether volatile oil. c) Draw structure of any one phenolic volatile oil constituent. d) Give source of a bufadienolide containing drug. e) Give source of a drug containing Hecogenin. f) Mention source of a cardenolide drug belonging to Apocynaceae family. g) Write source of any one oleo gum resin containing drug. h) Give confirmatory chemical test for colophony. i) Write biopotential of Soy-isoflavones. j) Give source of Rutin containing drug. k) Draw the structure of Crocin. l) Write traditional uses of Tulsi. m) Write constituents of Aloe-Vera for skin care effect. n) Give any two examples of marketed ayurvedic taila. o) Write statement of schedule "Y" as per D & C act.	
<b>Q.2.</b>	a) Give pharmacognostical account of Clove <b>OR</b> Fennel.	<b>4 Marks</b>
	b) Write source, constituents and uses of Quassia & Picrorrhiza.	<b>4 Marks</b>
	c) Write a note on Tea with an emphasis on its cosmetic uses.	<b>3 Marks</b>
<b>Q.3.</b>	a) Define cardenolide? Explain in detail chemistry of <i>Digitalis purpurea</i> and <i>Digitalis lanata</i> .	<b>4 Marks</b>
	b) Write source, constituents and uses of Artemisia & Guggul.	<b>4 Marks</b>
	c) Write a note on two Herbal excipients used as binding agents.	<b>3 Marks</b>
<b>Q.4.</b>	a) Write sources of citral and its biosynthetic pathway.	<b>4 Marks</b>
	b) Write a note on Asava & Arishta formulation, with examples of marketed preparation.	<b>4 Marks</b>
	c) Enumerate the Quality Control and safety parameters for Herbal drugs as per WHO guidelines.	<b>3 Marks</b>
<b>Q.5.</b>	a) Give a complete account of Dioscorea.	<b>4 Marks</b>
	b) Write source, constituents, chemical test and uses of Orange peel <b>OR</b> Liquorice.	<b>4 Marks</b>
	c) Write a note on schedule T.	<b>3 Marks</b>
<b>Q.6.</b>	a) What are pathological resins? Give an account of Benzoin <b>OR</b> Asafoetida.	<b>4 Marks</b>
	b) Write a note on various methods of extraction of volatile oil. Give benefits of terpeneless volatile oil.	<b>4 Marks</b>
	c) Write a note on Cannabis.	<b>3 Marks</b>