MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE SEMESTER END THEORY EXAMINATION

D. C. (Hone) Harticulture

				B.Sc.(Hor	ns.) Ho	ru	culture			
Semes	ter	: ,	V (New)		Term		First	Acaden	nic Year	: 2022-23
Course	e No.	: H/MAP 351 Title			Title	: Medicinal and Aromatic Crops				
Credit			3(2+1)	02 2023	Time	:	14:00 to 17	:00 hrs.	Total M	Iarks : 80
Day & Date Inursday, 09.02.2025										
2. All questions from SECTION 'B' are compulsory.										
		3.	All questions	carry equal ma	ırks.					
4. Draw neat diagram wherever necessary. SECTION 'A'										
				SE.	enta one	 L d	escribe in	brief ab	out oppo	ortunities and
, Q.1	Define Medicinal and Aromatic plants and describe in brief about opportunities and constraints in cultivation of medicinal and aromatic plants.									
. Q.2	Write down the cultivation of Safed Musli on the following points:									
	a) Soi	l ar	nd climate			b)) Propagatio	n and pla	anting	
	c) Ma	nur	es and fertilize	ers		d)	Harvesting	and yie	ld	
Q.3	the following points:									
•	a) Imp	ort	ance and chen	nical composit	tion	,	Propagatio			
	c) Planting and aftercare d) Harvesting and processing									
Q.4	Give the information in tabular form.									
	Sr.No).	Crop	Botanical N	Vame		Family	Space	cing	Varieties
	a)		Periwinkle							
	b)		Pyrethrum							
	c)		Citronella							
	d)		Lavender							
. Q.5	Discuss the cultivation of Mentha on the following aspects:									
	a) Orig	in a	and distributio	on		b)	Varieties			
	c) Pest and diseases				d) Distillation and storage of oil					
Q.6	Describe the cultivation of Geranium on the following points:									
	a) Soil and climate				b) Types and varieties					
	c) Nutritional and water requirement					d) Harvesting and yield				
Q.7	Write down the cultivation of Khus grass on the following points:									
	a) Soil and climate					b) Propagation and planting				
	•		s and fertilize	rs		d)	Distillation	and sto	rage of o	il

(P.T.O.)

Q.8	Write in brief about the package of practices of Cinchona.									
,Q.9	.9 Write down the therapeutic and pharmaceutical uses of the following crops (
	a) Isabgol	b) Lemon grass	c) Belladonna							
	d) Ammi majus	e) Panpimpali	f) Patchouli							
Q.10	Write short notes on (Any Two):									
	a) Harvesting, processing and grading of Withania									
	b) The lancing and latex collection of Opium									
	c) Cosmetic and medicinal uses of Aloe vera									
SECTION 'B'										
Q.11	Do as directed:									
	 Name two varieties of Wild Brinjal developed by IIHR, Bangalore. Give the full form of CIMAP, Lucknow. 									
	3) Write botanical names of	f Hirda and Behada.								
	4) Acorus calamus is a ann (State True or False)	ual long-day plant with life cycl	e of one year in general.							
	5) Which two parts of Semi	na plant contains sennoside?								
	6) Write one important use of Muskdana.									
	7) Write two species of Cinchona grown commercially for Cinchona bark.									
	8) What is the seed rate of	Occimum per hectare?								
Q.12	Fill in the blanks:									
	of Dioscorea.	oidal sapogenin obtained from t	he rhizomes of various species							
	2) Cymbopogon martini be	longs to the family								
	3) Safed Musli is cultivated	during theseason								
	4) Ashwagandha is also kn	own as								
	5) and	are two alkaloids found in	periwinkle which are important							
	in cancer therapy.									
	6) Oil of mint is rich in									
		variety of Isabgol, released by								
	8) is a variety	of Lemon grass, developed by	clonal selection from OD-19.							