

Roll No. : (in figure) _____ (in words) _____

Student Index No. _____ Regn. No. _____ of _____

Time : Two Hours

Full marks : 40

Questions are of value as indicated in the margin

Part - I
(Objective and Short Answer Type)
(Use only ball point pen)

Time : 20 minutes

Full marks : 10

Note: 1. Answer in question paper itself.

2. Striking, rewriting or overwriting are not allowed in the objective type questions.

1. Fill in the blanks :

0.5×10=5

- Dioscoria belongs to the family _____. The alkaloid present in dioscoria is known as _____.
- IISR stands for _____ and it is situated at _____.
- The alkaloid _____ obtained from Rauvolfia is used to treat _____ blood pressure.
- The principal chemical constituents of citronella oil are _____ and _____.
- Botanically cashew apple is called as _____ and it is rich in vitamin _____.

2. Match the crops in column (A) with their respective varieties in column (B) :

0.5×10=5

Column (A)		Column (B)	
i	Coconut	a)	Priyanka
ii	Black pepper	b)	Roma
iii	Arecanut	c)	Suprabha
iv	Cashew nut	d)	West Coast Tall
v)	Betelvine	e)	Rajendra Swati
vi)	Ginger	f)	Hisar Sonali
viii	Coriander	g)	GC-1
ix	Cumin	h)	Mangla
x)	Fenugreek	i)	Mitha

B.Sc. (Ag.) (Honours) Examination, 2019
Semester-IV
Course No: HOR-221 (Old)
(Production technology of species, aromatic, medicinal and plantation crops)

Part - II
(Descriptive Type)

Time : 100 Minutes

Full marks : 30

Questions are of value as indicated in the margin

Answer any four questions

3. a) Briefly discuss the branching behaviour of black pepper with salient sketch.
b) Enumerate improved cultivation technology of black pepper with reference to propagation, planting, nutrient management and harvesting of berries. 2.5+5=7.5
 4. a) What are the characteristics of a desirable cashew variety? Name two open pollinated and hybrid cashew variety (two each).
b) Discuss briefly about the cultivation of cashew with special reference to soil and climatic requirement, propagation, high density planting, harvesting and yield. 2+5.5=7.5
 5. a) Differentiate between Dwarf and Tall cultivar of coconut.
b) Briefly discuss about mother palm selection, nut selection, nursery management and seedling selection of coconut. 2.5+5=7.5
 6. Describe briefly about improved cultivation techniques of palmarosa with special reference to soil, climatic requirements, propagation and planting, manuring and harvesting of crop. 1.5×5=7.5
 7. a) Briefly discuss improved production technology of diascoria with special reference to varieties, propagation and planting, manuring and fertilization, harvesting and yield.
b) “Two years crop is found to be more economical for diascoria” – justify. (4×1.5)+1.5=7.5=6
 8. a) What is plantation crop? State the importance of plantation crops in national economy. 2.5
b) Write short notes on (**any two**): 2.5+(2.5×2)=7.5
 - i) Vincristine
 - ii) Benefits of senna
 - iii) Ocimum species
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