

**AC-1797**  
**B.Sc. (Ag.) VI Semester Examination, May-2019**  
**Production Technology of Medicinal, Aromatic**  
**and Spices Crops**  
**C - 603**

*Time : Three Hours ]*

*[ Maximum Marks : 50*

*[ Minimum Marks : 18*

**Note :** Attempt any **five** questions. **All** questions carry equal marks.

1. Describe importance, present position and future scope of Medicinal, Aromatic and Spices crops in India.
2. Write origin, botanical name and family, common method of propagation, planting time and planting distance of following crops in tabular form :
  - (i) Citronella
  - (ii) Rauwolfia
  - (iii) Khus
  - (iv) Disocorea
3. Describe the cultivation of turmeric under following heads :
  - (i) Botanical description
  - (ii) Sowing time and methods of sowing
  - (iii) Seed rate
  - (iv) Improved cultivars
  - (v) Manures and fertilizers
  - (vi) Control of important insect-pests and diseases.

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4. Write name of commercially important species of ocimum. Describe in brief cultivation of sanktam tulsi at commercial level.
5. Write cultivation of saunf under north Indian conditions in detail.
6. Write cultivation of ginger under following heads :
- Botanical description
  - Soil and climatic requirements
  - Improved cultivars
  - Propagation and planting techniques
  - Planting time
  - Manures and fertilizers
  - Plant protection measures *gusta*
7. Write cultivation techniques of coriander under following heads :
- Botanical description
  - Important cultivars
  - Sowing time and seed rate
  - Nutritional management
  - Insect pests with their control
  - Diseases with their control
  - Harvesting and yield
8. How many types of mentha are grown in India. Write in brief commercial cultivation of spear mint under N. Indian conditions.
9. Write short on any **two** of the following :
- Medicinal properties of rauwolfia
  - Solvent extraction method
  - Processing of turmeric