

# KERALA AGRICULTURAL UNIVERSITY

B.Sc.Hons (Ag) Degree Programme 2014 Admission

IV<sup>th</sup> Semester Final examination – August- 2016

Cat. No: Hort. 2204

Marks: 50.00

Title: Vegetable crops (2+1)

Time: 2 hours

## I Fill in the blanks

(10 x 1=10)

1. Vegetables suitable for green house production are \_\_\_\_\_ and \_\_\_\_\_.
2. India is the world's second largest producer of vegetables next only to \_\_\_\_\_.
3. In floating garden \_\_\_\_\_ grass is used for making the floating base.
4. The most ideal temperature for tomato cultivation is \_\_\_\_\_.
5. Sprouting during storage is seen in vegetables like \_\_\_\_\_ and \_\_\_\_\_.
6. Recommended seed rate of True Potato Seed is \_\_\_\_\_, while potato seed tuber required is 15 tons per hectare.
7. Pungency in onion is due to \_\_\_\_\_.

## Expand the following abbreviations:

8. IIVR
9. AVRDC
10. CPRI

## II Write short notes on any five questions

(5 x 2= 10)

1. Raising vegetable nursery.
2. Sex modification in cucurbits.
3. Antinutritional factors in Amaranth.
4. Industrial uses of tapioca.
5. Organic cultivation of Amaranth.
6. Blossom End Rot in Tomato.
7. Maturity indices of cauliflower.

## III Write short Essays on any Five questions

(5 x 4=20)

1. Describe the processing characteristics of Tomato.
2. Narrate breeding achievements at KAU, in bacterial wilt resistance of solanaceous vegetables.
3. Explain seed production techniques in Cabbage.
4. Narrate various physiological disorders in cauliflower.
5. Mention the POP for bitter gourd and tomato cultivation.
6. Mention the important steps to be followed in seed production of snake gourd.
7. Advantages and disadvantages of different methods of propagation in potato.

## IV Write essay on Any ONE

1. Discuss on the causes and control measures for reducing post-harvest losses in vegetables.
2. Elaborate on the significance of vegetables in human nutrition and justify the need for a nutrition garden in your homestead.

1. Vegetables which are grown home production are  
 2. India is the world's second largest producer of vegetables next only to  
 3. In floating garden \_\_\_\_\_  
 4. The most ideal temperature for tomato cultivation is \_\_\_\_\_  
 5. Growing during winter is seen in vegetables like \_\_\_\_\_ and \_\_\_\_\_  
 6. Recommended seed rate of Taro (Canna) is \_\_\_\_\_ while for other vegetables 12 \_\_\_\_\_ per ha is recommended.

Expand the following abbreviations:-

- A. IPR
- A. VRC
- A. CRI

(2 x 5 = 10)

II Write short notes on any five questions

1. Raising vegetable manure
2. Soil modification in container
3. Anatomical features in Annona
4. Industrial uses of tobacco
5. Organic reduction of nematode
6. Diseases and their control
7. Mainly sources of cauliflower

(3 x 4=12)

III Write short essays on any Five questions

1. Describe the necessary characteristics of Tomato
2. Name the leading experiments of KAU in bacterial wilt resistance of solanaceous vegetables
3. Explain seed production techniques in Capsicum
4. Name the various physiological disorders in cauliflower
5. Mention the POP for bitter melon and brinjal cultivation
6. Mention the important steps to be followed in seed production of water melon
7. Advantages and disadvantages of different methods of propagation in tomato