

KERALA AGRICULTURAL UNIVERSITY
B.Sc. (Ag) 2004 Admission IV Semester Final Examination,
December 2006

2004-05

Hort 2204
Vegetable Production (2+1)

Max. Marks: 60
Time: 2½ hours

Part I

20X0.5 = 10

1. Name two varieties of tomato suitable for processing.
 2. The bhendi variety resistant to yellow vein mosaic disease is -----.
 3. An adult requires -----gms. of vegetables as per ICMR recommendations.
 4. The area under potato is ----- and production is ----- in India.
 5. Blossom end rot in tomato is due to -----.
 6. Carbohydrates are rich in ----- vegetables.
 7. Suggest two vegetable crop suitable for shadenet cultivation.
 8. Name two vegetable crops suitable for riverbed cultivation.
 9. Write the name of triploid watermelon.
 10. Write the full form of GAP.
 11. Name the growth regulators suitable to prevent flower drop in chilli.
 12. Name the insect more prevalent in glass house cultivation.
 13. The main intercrops in chilli are ----- and -----.
- Write True or False.
14. Indra is a variety of capsicum.
 15. Splitting of root and core forking are problems in beetroot.
 16. Sugarbaby is a variety of watermelon.
 17. Ethrel is the PGR suitable for increasing female flowers in cucurbitaceous vegetables.
 18. Sree Nandini is a potato variety released from Kerala.

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19. Buttoning in cauliflower is due to overaged seedlings.

20. The edible portion of cabbage is called head.

Part II

14X1 = 14

Write short notes for the following:

1. Distinguish between blossom end rot and cat face.
2. Differentiate seed hardening and seed treatment of vegetables.
3. Differentiate barrier crops and intercrops.
4. Define antitranspirant.
5. Salem is land of sago – substantiate the statement.
6. Differentiate TCS and TPS.
7. Distinguish between market gardening and kitchen gardening.
8. Define whiptail.
9. Differentiate determinate and indeterminate tomato with examples.
10. Write the nutritive value of bhendi.
11. Mention the various systems of vegetable cultivation.
12. Write the classification of peas.
13. Mention the F1 hybrids of brinjal released from IARI and IIHR.
14. Name some salad vegetables.

Part III

8X2 = 16

Answer any Eight.

1. Discuss heterostyly in brinjal.
2. Write the advantages of *Panchakavya* spray in vegetables.

3. Write the disadvantages of glasshouse cultivation with regard to environmental pollution.
4. Explain the effect of high temperature on flowering of tomato.
5. What do you mean by Hi Tech cultivation of vegetables.
6. Write the botanical classification of vegetables.
7. Give a brief account on vegetable forcing.
8. Write the propagation methods of tapioca cultivation.
9. Write short notes on grain amaranthus.
10. Write the seed production methods of cabbage.

Part IV

5X4 = 20

Answer any Five.

1. Write briefly about nutrition garden.
 2. Describe the physiological and nutritional disorders of cabbage and cauliflower.
 3. Write the procedure of breeder seed production of chilli.
 4. Describe the maturity indices and harvesting of tropical vegetables for vegetable purpose.
 5. Discuss the role of plant growth regulators in cucurbits.
 6. Give a brief account on greenhouse cultivation of vegetables.
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