

67/2015

(Pages : 3)

Maximum : 200 marks

Time : 90 minutes

**PART I**

- A. Name the following:
1. Scientific name of Buffalo grass.
  2. Recommended spacing for chilli.
  3. Vegetative propagation method in cocoa recommended by Kerala Agricultural University.
  4. Growth regulator used to prevent sprouting in onion.
  5. King of perfumes.
  6. A high yielding variety of Kacholam.
  7. Major constituent in clove oil.
  8. First plucking of periodic shoot in tea.
  9. Product obtained from pepper which has 2 - 4 per cent moisture, retains green colour and is very light.
  10. Chemical used for pre-harvest bunch spray in banana.
- B. Fill in the blanks:
11. Pre-harvest fruit drop in citrus can be controlled by the application of \_\_\_\_\_
  12. Indian Spinach belongs to \_\_\_\_\_ family.
  13. In coconut mother palm selection, copra content of seed nuts should be at least \_\_\_\_\_ g/nut.
  14. Heading back is a method of \_\_\_\_\_
  15. \_\_\_\_\_ is a vegetable crop with maximum area and production in India.
  16. Water basins are an important feature of \_\_\_\_\_ garden.

[P.T.O.]

17. OD-19 variety of lemongrass is also known as \_\_\_\_\_.
18. Amba is a variety of \_\_\_\_\_.
19. Sympodial orchids are propagated by \_\_\_\_\_.
20. Seeds which can be safely dried to low moisture content are known as \_\_\_\_\_.

C. Choose the correct answers:

21. The alkaloid extracted from \_\_\_\_\_ is used in the treatment of hypertension.  
(Ashwagandha, Stevia, Isabgol, Coleus)
22. Kufri Jyothi is a variety of \_\_\_\_\_  
(Cabbage, Cauliflower, Potato, Carrot)
23. \_\_\_\_\_ stands first in the production of vegetables in the world.  
(India, Japan, China, USA)
24. Polyembryonic varieties are common in \_\_\_\_\_  
(Banana, Pineapple, Grapes, Citrus)
25. Central Institute for Sub-tropical Horticulture is located at \_\_\_\_\_  
(Bangalore, Jorhat, Lucknow, Delhi)
26. Mango is commercially propagated by \_\_\_\_\_  
(Side grafting, Wedge grafting, Bench grafting, Stone grafting)
27. India is the largest producer and exporter of \_\_\_\_\_  
(Coconut, Arecanut, Oil palm, Cashew)
28. *Licuala grandis* is a \_\_\_\_\_  
(Climber, Shrub, Annual, Palm)



29. Vanillin content of cured vanilla beans is \_\_\_\_\_

(1.5%, 2.5%, 3.5%, 4.5%)

30. Tapping method followed in RRII-105 rubber clone is \_\_\_\_\_

( $\frac{1}{2}$  S d/3,  $\frac{1}{2}$  S d/4,  $\frac{1}{2}$  S d/2,  $\frac{1}{2}$  S d/1)

(30 × 4 = 120)

## PART II

Answer the following in a paragraph:

31. Advantages and disadvantages of seed propagation.

32. Sex forms in cucurbits.

33. Role of plant growth regulators in Horticulture.

34. Importance of post harvest handling in India.

35. Types of seed dormancy and methods to overcome it.

36. Methods of establishment and maintenance of a lawn.

37. Nursery raising in cardamom.

38. Harvesting and papain extraction in papaya.

(8 × 10 = 80)