

1. Drip irrigation offers good scope because-

- 1) Most of fruit crops need drip irrigation ~~2) Enormous savings in water usage~~
 3) Improves the fruit set than conventional method 4) Increases the fruit yield over conventional method

2. Which of the following is correctly matched?

Crop	Index leaf tissue for analysis
I. Banana	Third leaf
II. Cocoa	Third leaf
III. Rose	Fifth leaflet
IV. Carnation	Seventh leaf pair

A. I and II
 B. II and III
~~C. I, II and III~~
 D. I, II, III, and IV

3. Abbreviate TPS.

- 1) Tapioca Processing ~~2) True Potato Seed~~
 3) Tomato Processing Sector 4) Tapioca Preservation System

4. The important vegetable exported from India is:

- ~~1) Onion~~ 2) Brinjal
 3) Bhendi 4) Moringa

5. Consider the statements: (i) Grapes are grown in Cumbum valley of Tamil Nadu (ii) Grapes are grown for vine making in the valley (iii) Thompson seedless is an important variety of grapes (iv) Cumbum valley enjoys hot climate. Of the statements-

- 1) (i) alone is correct ~~2) (i) and (iii) are correct~~
 3) (i), (ii) and (iv) are correct 4) All are correct

6. Mangoes grown in Punjab, Uttar Pradesh suffer from black tip disorder due to-

- ~~1) Air pollutants~~ 2) Frost
 3) Hail storm 4) Wind

7. Which one of the following is correctly matched?

- ~~1) Bitter gourd - Momordicin~~ 2) Carrot - Capsaicin
 3) Annato - Carotene 4) Chillies - Bixin

8. Pomology refers to-

- 1) Study of vegetables 2) Study of spices
 3) Study of plantation crops ~~4) Study of fruits~~

9. Among the following which one is the condiment?

- ~~1) Coriander~~ 2) Geranium
 3) Pepper 4) Patchouli

10. The definite life cycle of any horticultural woody plant starts with-

- 1) Summer, autumn, winter and spring 2) Autumn, Winter, Spring and summer
 3) Winter, Spring, summer and autumn ~~4) Spring, summer, autumn and winter~~

11. Consider the following pair-

	Ingredient	N	P	K
I	Cattle dung	0.40	0.20	0.17
II	Poultry manure	3.03	0.63	1.40
III	Neem cake	3.00	1.80	1.90

Which of the above ingredient is correct?

A.	I
B.	II
C.	I and II
D.	I, II and III

12. Match List I correctly with List II and select your answer using the codes given below.

	List I	List II
	a) Mango	1) 4.5 x 4.5 m
	b) Guava	2) 6.0 x 6.0 m
	c) Banana	3) 7.5 x 7.5 m
	d) Custard apple	4) 2.1 x 2.1 m

	a	b	c	d
A.	2	1	4	3
B.	1	2	4	3
C.	3	1	4	2
D.	1	2	3	4

13. 'Nectarines' are one group of-

- | | |
|---------------------|---------|
| 1) Apple | 2) Plum |
| 3) Peach | 4) Pear |

14. Woolly aphid is a serious pest in

- | | |
|---------------------|-----------------|
| 1) Apple | 2) Sweet orange |
| 3) Grapes | 4) Pine apple |

15. Which one of the following is correctly matched under herbicides? Common Name and Trade Name

- | | |
|--------------------------------------|-----------------------|
| 1) Trifluralin - Lasso | 2) Alachlor - Hexatox |
| 3) Nitrogen - Tok -E - 25 | 4) Atrazine - Basalin |

16. Match List I correctly with List II and select your answer using the codes given below.

	List I	List II
a.	Cover crop	1. Turmeric and onion
b.	Mulching	2. Calapogonium muconoides
c.	Intercrop	3. Effective utilization of alley spaces present between trees.
d.	Multitier crop	4. Straw

	a	b	c	d
A.	1	3	4	2
B.	2	4	1	3
C.	2	3	1	4
D.	3	4	2	1

17. Match the following.

a) Calcium	1) Cystine
b) Magnesium	2) Dieback
c) Sulphur	3) Chlorophyll
d) Copper	4) Cell/division

	a	b	c	d
A.	4	3	2	1
B.	4	3	1	2
C.	4	2	3	1
D.	4	1	2	3

18. Which one of the following tree population per hectare is correctly matched?

- 1) Mango - 177 Nos
 2) Sapota - 100 Nos
~~3) Acid lime - 400 Nos~~
 4) Coconut - 156 Nos

19. Bunchy top is a virus disease in banana which is transmitted by-

- 1) Thrips
~~2) Aphids~~
 3) White flies
 4) Jassids

20. The different mulching materials are given below.

Crop	Mulching
i) Fruit crops	Paddy straw/Dried leaves
ii) Vegetable	Black polythene
iii) Temperate crops	Rice bran

In general, which mulches are commonly followed in Tamil Nadu?

- ~~A. (i) and (ii)~~
 B. (i) and (iii)
 C. (ii) and (iii)
 D. All three

21. The plant suitable for live fencing in orchards is:

- 1) Guava
~~2) Pithecclobium dulce~~
 3) Coconut
 4) Jack

22. Which is an ideal intercrop in the early period of mango crop?

- ~~1) Papaya~~
 2) Sapota
 3) Grapes
 4) Guava

23. Sodding is a method of-

- 1) Pruning
~~2) Mulching~~
 3) Pinching
 4) Training

24. Rangpur lime is a citrus rootstock which is tolerant to : I. Tristeza II. Foot rot III. Salt IV. Exocortis

- 1) I and II are correct
~~2) I and III are correct~~
 3) I and IV are correct
 4) II and III are correct

25. Match List I correctly with List II and select your answers using the codes given below:

	List I		List II	
	a) Copper deficiency		1) Rosette	
	b) Iron deficiency		2) Brittleness	
	c) Zinc deficiency		3) Interveinal chlorosis	
	d) Boron deficiency		4) Die back and Gumming	
	a	b	c	d
A.	3	4	2	1
B.	4	3	1	2
C.	2	4	1	3
D.	1	2	4	3

26. IISR - Sakthi is a variety of-

- 1) Cardamom
~~2) Black pepper~~
 3) Ginger
 4) Nutmeg

27. Coffee Arabica is a-

- 1) Diploid
~~2) Tetraploid~~
 3) Triploid
 4) Hexaploid

28. 'Bitter pit' is a physiological disorder in apple which is caused by the deficiency of-

- ~~1) Ca~~
 2) B
 3) Mg
 4) Mo

29. Consider the following statements. Assertion (A) : Rock phosphate is used in Tea and Coffee plantations. Reason (R): It is easily soluble acidic soils. Now select your answer.

- ~~1) Both (A) and (R) are true (R) is the correct explanation of (A)~~
 2) Both (A) and (R) are true (R) is not the correct explanation of (A)
 3) (A) is True but (R) is False
 4) (A) is False and (R) is True

30. Match List I correctly with List II and select your answers using the codes given below:

	List I		List II	
	a) Essential element		1) Abolobacter	
	b) Secondary nutrient		2) Zinc	
	c) Micro nutrient		3) Calcium	
	d) Bio fertilizer		4) Carbon	
	a	b	c	d
A.	1	3	2	4
B.	3	2	4	1
C.	2	4	3	1
D.	4	3	2	1

31. To assess the nutrient requirement of a crop a following part of the plant is commonly diagnosed.

- 1) Stem
~~2) Leaf~~
 3) Root
 4) Fruit

32. The content and function of nutrients are given below:

	Fertiliser	Content%	Function
I.	Urea	38	Flowering
II.	Superphosphate	16	Root
III.	Potash	60	grain

Which combination is correct?

A.	(i) and (ii)
B.	(i) and (iii)
<input checked="" type="checkbox"/>	(ii) and (iii)
D.	All three

33. The seeds which have lack of endosperm (or) thin layer surrounding the embryo is referred as:

- 1) Albuminous seed
 2) Exalbuminous Seed
 3) Nucleus Seed
 4) Foundation Seed

34. Scaification and stratification are done in one of the following. i) Seed propagation ii) Layering iii) Grafting iv) Budding

- (i) is correct
 2) (i) and (ii) are correct
 3) (i), (ii), (iii) are correct
 4) All are correct

35. Practical uses of growth regulators:

i) Root Induction	1) NAA
ii) Inducing Flowering	2) Ethylene
iii) Control of fruit drop	3) IAA and IBA
iv) Fruit ripening	4) GA ₃

	i	ii	iii	iv
A.	1	4	3	2
B.	2	3	4	1
<input checked="" type="checkbox"/>	3	4	1	2
D.	1	2	3	4

36. Consider the following statements: Assertion (A) : Flooding is a practice followed for wet land banana crop Reason (R) : Water availability is plenty, but leads to stagnation and weeds growth Select the answer from the given below code.

- 1) Both (A) and (R) are true, but R is not the correct explanation of (A)
 2) Both (A) and (R) are true, ® is the correct explanation of (A)
 3) (A) is true but (R) is false
 4) (A) is false but (R) is true

37. Arka surya mukhi is:

- 1) C. Moschata
 2) C. Maxima
 3) C. Pepo
 4) C. Mixta

38. **Assertion (A) : Wilting, drooping of leaves, curling, of leaves, shrinkage of fruit.**

Reason (R) : The immediate symptoms of lack of water. Now select your answer according to the coding scheme given below.

- 1) Both (A) and (R) are true (R) is the correct explanation of (A) 2) Both (A) and (R) are true but (R) is not the correct explanation of (A)
- 3) (A) is true (R) is false 4) (A) is false and (R) is true

39. **Assertion (A): Non-uniformity in coverage of spinkler irrigation Reason (R) : Due to the influence of wind Now select your answer according to the coding scheme given below.**

- 1) Both (A) and (R) are true (R) is the correct explanation of (A) 2) Both (A) and (R) are true but (R) is not the correct explanation of (A)
- 3) (A) is true (R) is false 4) (A) is false and (R) is true

40. **Consider the following statements: (i) Basin irrigation is practiced in young orchards (ii) The basins should be sloping from trunk to the periphery.**

- 1) (i) is correct 2) (ii) is correct
- 3) (i) and (ii) are correct 4) (i) and (ii) are not correct

41. **Consider the statements Statement (i) Drip irrigation can be done in rainfed areas Statement(ii) Drip irrigation during flowering to fruit development improves the fruit size.**

- 1) (i) is correct 2) (ii) is correct
- 3) (i) and (ii) are correct 4) (i) and (ii) are not correct

42. **The important component essential for drip system of irrigation is:**

- 1) Sprinkling nozzles 2) Pressure regulators
- 3) Venturi 4) Bye Pass Tank

43. **Consider the statements. (i) Fine textured soils hold moisture longer than soil of coarse texture (ii) A shallow rooted crop requires more watering than deep rooted crop (iii) Flooding is followed for vegetables (iv) Furrow system is used for banana Of the above-**

- 1) (i) alone is correct 2) (i) and (ii) are correct
- 3) (ii), (iii), (iv) are correct 4) All are correct

44. **Which of the following type of apomixis is present in garlic?**

- 1) Vegetative 2) Recurrent
- 3) Non-recurrent 4) Nucellar embryony

45. **The scientific name of peach is:**

- 1) Prunus americana 2) Prunus persica
- 3) Prunus cerasifera 4) Prunus communis

46. **Cauliflorous nature of fruit bearing habit is found in the following crop-**

- 1) Banana 2) Sapota
- 3) Jack 4) Guava

47. **Which one of the following is NOT used as a propagating material in pine apple?**

- 1) Root cutting 2) Crown
- 3) Sucker 4) Slip

48. Degreening in citrus fruits is done artificially by using the chemical-

- 1) GA
~~2) Ethrel~~
 3) NAA
 4) IBA

49. Inter generic grafting is highly successful in the fruit crop-

- 1) Apple
 2) ~~Citrus~~
 3) Mango
 4) Plum

50. Which one of the following is correctly matched?

- 1) Bower system - Over head trellis
 2) ~~Espalier System - Cordon~~
 3) Telephone system - Two trellis
 4) Knitted system - Pergola

51. Consider the following statements. (i). Bower system is called as Arbour system (ii). Bower system is practiced in grapes (iii). Bower system is cheaper system (iv). Pruning operation is easier in Bower system. Of the statements-

- 1) (i) alone is correct
 2) ~~(i) and (ii) are correct~~
 3) (i), (ii) and (iii) are correct
 4) All are correct

52. Consider the following statements. (i) Training gives frame work to the plant (ii) Pruning is removal of plant parts Of the statements-

- 1) (i) is correct
 2) (ii) is correct
~~3) (i) and (ii) are correct~~
 4) (i) and (ii) are not correct

53. Assertion (A): In papaya 1 male tree is to be maintained for every 20 female trees Reason (R) : Sword suckers are the best for planting Banana. Now select your answer according to the coding scheme given below.

- 1) A is false but R is true
 2) ~~Both A and R are true but (R) is not correct explanation of A~~
 3) A is true R is false
 4) Both A and R are true, R is the correct explanation of A

54. Among the following PGRs which one prevents abscission of young fruits?

- 1) ~~NAA~~
 2) ABA
 3) Mepiquat chloride
 4) Ethrel

55. Which one of the following is the correct pair having parthenogenesis?

- 1) ~~Mangosteen and Strawberry~~
 2) Banana and Mango
 3) Mangosteen and Apple
 4) Strawberry and Guava

56. 'Chickle' is the solidified latex material which is used in the manufacture of chewing gum is obtained from-

- 1) Papaya
 2) ~~Sapota~~
 3) Mango
 4) Guava

57. Match List I correctly with List II and select your answers using the codes given below.

List I		List II	
a) Head system of training		1) Thompson seedless	
b) Kriffin system of training		2) Perlette	
c) Bower system of training		3) Pusa seedless	
d) Telephone system of training		4) Beauty Seedless	
	a b c d		
A.	4 2 1 3		
B.	3 4 2 2		
C.	1 3 3 1		
D.	2 1 4 4		

58. Pruning is necessary- 1) To improve the fruiting wood to regulate fruit production 2) To have less scaffold branches 3) To remove dead and diseased limbs Of these :

- 1) 1 is correct
 3) 3 alone correct
~~2) 1 and 3 are correct~~
 4) 1 and 2 are correct

59. Identify the correct order of phases of fruit development.

- 1) Prepollination Development, Post pollination growth, Fruit tissue initiation, Ripening
 2) Prepollination Development, Fruit tissue initiation, Post pollination growth, Ripening
~~3) Fruit tissue initiation, prepollination Development, Post pollination growth, Ripening~~
 4) Ripening, Fruit tissue initiation, Prepollination Development, Post pollination growth

60. The type of male sterility used in commercial F1 Hybrid seed production in cabbage is:

- 1) Genetic male sterility
 3) Cytoplasmic male sterility
~~2) Cytoplasmic Genic male sterility~~
 4) Synthetics

61. Parthenocarpic fruits are induced by- i) 2,4-D ii) 2,4,5-T iii) Ethrel iv) GA Of the statements-

- ~~1) (i) alone is correct~~
 3) (i), (ii) and (iii) are correct
 2) (i) and (ii) are correct
 4) (i), (ii) and (iv) are correct

62. Sai-Sharbati is a variety of-

- ~~1) Lemon~~
~~2) Acid lime~~
 2) Sweet orange
 4) Mandarin orange

63. Cross pollination due to dioecious nature is seen in-

- ~~1) Nutmeg~~
 3) Ribbed gourd
 2) Clove
 4) Cinnamon

64. The percentage of pollenizer required in the total population of apple orchard is:

- 1) 10
 3) 50
~~2) 33~~
 4) 66

65. **Assertion A: Self fruitfulness indicates the ability of the plant to mature fruit without aid of pollen from some other flower Reason R: Due to slow growth of pollen tube the fertilisation does not take place** Now select your answer according to the coding scheme given below-

- 1) A is true R is false
 2) Both (A) and (R) are true. (R) is the correct explanation of A
~~3) Both (A) and (R) are true. (R) is not the correct explanation of A~~
 4) A is false R is true

66. **Which of the following is correctly matched?**

- ~~1) Pre harvest Drop - NAA~~
 2) Biennial bearers - Neelum
 3) June drop - Mango
 4) Thompson Seedless - Vegetative parthenocarpy

67. **Consider the statements: 1) Production of imperfect flowers is a cause for unfruitfulness 2) Dioecious and monoecious nature of plants cause unfruitfulness 3) Slow growth rate of pollen is also results in unfruitfulness** Of the statements-

- 1) 1 alone is correct
 2) ~~1 and 2 are correct~~
 3) 3 alone is correct
 4) All are correct

68. **Assertion Type: Consider the following statements. Assertion (A): Unfruitfulness is due to the incompatibility of pollen and ovule Reason (R): Though pollen and ovule are fertile, they fail to effect conjugation resulting in unfruitfulness.** Now select answer according to the coding scheme:

- 1) Both A and R are true. (R) is the correct explanation of A
~~2) Both A and R are true but (R) is not the correct explanation of A~~
 3) A is false but R is true
 4) A is true but R is false

69. **Consider the statements: Statement 1: Gherkins has only Processing demand Statement 2: Contract farming has been successful in Gherkins**

- 1) 1 is true and 2 is false
 2) 1 is false and 2 is true
~~3) 1 and 2 are true~~
 4) 1 and 2 are false

70. **Identify the correct order of sequence.**

- ~~1) Producer, Commission agent, Retailer, Consumer~~
 2) Commission agent, Producer, Retailer, Consumer
 3) Producer, Retailer, Commission agent, Consumer
 4) Producer, Consumer, Commission agent, Retailer

71. **Cucumis melo var utilissimus is:**

- ~~1) Long melon~~
 2) Snap melon
 3) Musk melon
 4) Tinda

72. **Consider the statements: i) Waxing in the fruits reduces the moisture loss ii) Waxing improves the appearance of the fruit iii) Waxing reduces the incidences of the diseases iv) Exchange of O₂ and CO₂ take place on waxing** Of the statements:

- 1) (i) alone is correct
~~2) (i), (ii) and (iii) are correct~~
 3) (i) and (ii) are correct
 4) All are correct

73. Which one of the following is correctly matched?

- 1) Mango - Psorosis
- 2) ~~Citrus - Granulation~~
- 3) Banana - Exocortis
- 4) Guava - Cumpress

74. Consider the following statements: Assertion (A): Fumigation with O₂ is recommended in Grapes Reason (R): It eliminates storage diseases Now select the answer according to the coding scheme given below.

- 1) ~~Both (A) and (R) are true. (R) is the correct explanation of (A)~~
- 2) Both (A) and (R) are true, (R) is not the correct explanation of (A)
- 3) (A) is true but (R) is false
- 4) (A) is false but (R) is true

75. Consider the following statements: i) In *Jasminum grandiflorum*, flowering period is extended by GA 500 ppm ii) For fruit reopening 2 - 4 - D 25 - 100 ppm is used iii) Sodium salt of IBA are used as weedicide iv) Ethrel 250 ppm is used to modify the sex expression in cucurbits Of the statements -

- 1) (i) alone is correct
- 2) (i) and (iv) are correct
- 3) (ii), (iii) and (iv) are correct
- 4) ~~(iv) alone is correct~~

76. Assertion (A): Pre Harvest fruit drop in citrus is controlled with 24 - D 8ppm Reason (R) : NAA is applied two to 4 weeks after petal fall stage in grapes to reduce thinning Now select your answer according to the coding scheme given below-

- 1) A is true R is false
- 2) Both A and R are true R is the correct explanation of A
- 3) A is false R is true
- 4) ~~Both A and R are true and R is not correct explanation of A~~

77. Match List-I correctly with List-II and select your answer using the codes given below.

List - I	List - II
a) Softening of the tissue of the fruits	1) Papaya
b) Colour change	2) Water melon
c) Shrivelling of fruit bulk	3) Jack
d) Sound tapping	4) Grapes

	a	b	c	d
A	4	1	2	3
B	1	3	2	4
C	3	2	4	1
D	2	4	3	1

78. Penetrometer is an instrument used to measure the softening of tissues as an index of-

- 1) ~~Firmness~~
- 2) Harvest
- 3) Test the sugar / acid ratio
- 4) Processing of fruits and vegetables

79. Match List – I correctly with List – II and select your answer using the codes given below

List – I	List – II
a) Jam	1. Grape
b) Jelly	2. Oranges
c) Marmalades	3. Guava
d) Squash	4. Pine apple

	a	b	c	d
A.	1	2	3	4
B.	4	3	1	2
C.	3	2	1	4
D.	4	3	2	1

80. Match List – I correctly with List – II and select your answer using the codes given below

List – I	List – II
a) Brinjal	1. MH 2500 ppm
b) Chilli	2. Ethrel 250 ppm
c) Gourds	3. 2, 4 – D 2 ppm
d) Onion	4. NAA 10 ppm

	a	b	c	d
A.	4	3	1	2
B.	3	4	2	1
C.	2	3	4	1
D.	4	3	1	2

81. Assertion (A): The vines of sweet potatoes are left on 50th and 75th day after planting to increase tubes size Reason (R): It prevents root formation at nodes Select the answer from the given below code.

- ~~1) Both (A) and (R) are true. R is the correct explanation of (A)~~
 2) Both (A) and (R) are true. R is not the correct explanation of (A)
 3) (A) is true but (R) is false
 4) (A) is false but (R) is true

82. Industrial raw material "guargum" is obtained from-

- ~~1) Cluster beans~~ 2) Geranium
 3) French beans 4) Vegetable Cowpea

83. Which of the following is NOT the recommended IPM of diamond back moth?

- 1) Planting of mustard as inter crop (20:1) 2) Release of larval parasite
 3) Pheromone trap ~~4) Fish meal trap~~

84. The off season mango flowering can be induced-

- ~~1) Paclobutrazol 5ml/10 lit during June~~ 2) Spraying of K_2SO_4
 3) Spraying of 10% KNO_3 4) Spraying of MH

85. In mango fruit, retention can be improved by spraying-

- 1) Application of 1% urea & KH_2PO_4 after harvest 2) Spraying of 1% KNO_3
 3) Spraying of 25 ppm G.A ~~4) Spraying 20 ppm NAA~~

86. Which one of the following growth regulator is effectively used to increase fruit set in chilli?
 1) GA₃ 2) I BA
~~3) NAA~~ 4) Ethrel
87. The concentration of ethrel to hasten fruit ripening in banana is:
 1) 250 ppm 2) 500 ppm
 3) 1000 ppm ~~4) 5000 ppm~~
88. Which one of the following is correctly matched?
~~1) IBA - Propagation~~ 2) Ethrel - Weed control
 3) GA3 - Modify sex 4) 2, 4-D - Breaks dormancy
89. Which one of the following is a Growth promoter?
 1) Thidiazuron 2) Maleic hydrazide
~~3) GA~~ 4) Paclobutrazol
90. Which of the following is correct depiction of the varietal character?
 1) Amaranth Var Co1 - Sirukeerai 2) Amaranth Var Co2 - Mulai Keerai
 3) Amaranth Var Co3 - Thandu Keerai ~~4) Amaranth Var Co4 - Grain type~~
91. Removing unwanted plants from Breeder Seed production field is called-
~~1) Rogueing~~ 2) Weeding
 3) Hoeing 4) Clipping
92. The plants which always grown in shade areas are called as-
 1) Heliophyte 2) Sciophytes
 3) Obligate Heliophyte ~~4) Obligate Sciophytes~~
93. Consider the statements: A) Olorer and Bappatai are polyembryonic seedlings R) Polyembryony produces true to type seedlings Now select your answer
~~1) Both (A) and (R) are true, (R) is the correct explanation of (A)~~ 2) Both (A) and (R) are true but (R) is not the correct explanation of (A)
 3) (A) is true but (R) is false 4) (A) is false and (R) is true
94. Aonla is commercially propagated by-
~~1) Rooted seedlings~~ 2) Approach grafting
~~3) Shield budding~~ 4) Rooted cuttings
95. Which one of the following tomato variety is called as "Marutham"?
 1) Co 1 2) Co 2
~~3) Co 3~~ 4) PKM1
96. Choose the correct sequence for micro propagation?
~~1) Collection of explant, Sterilization, Inoculation, Subculture~~ 2) Explant, Inoculation, Sterilization
 3) Explant, Sterilization, Subculture 4) Collection of Explant, Inoculation, Subculture, Sterilization
97. Which plant hormone kills the broad leaves of dicot weeds?
 1) NAA 2) I BA
~~3) 2, 4 -D~~ 4) 2, 4, 5 -T

98. Give the correct sequence of operations followed in propagation?

- ~~1) Precuring, Scion removal, Root stock, Grafting~~ 2) Grafting, Root stock, Scion removal, Precuring
 3) Scion removal, Precuring, Grafting, Root stock 4) Root stock, Scion removal, Grafting, Precuring

99. The root stock used for different crops are given below

Crop	Root stock used
i) Sathugudi	Karnakhatta
ii) Grapes	Salt creek
iii) Sapota	Pala

Correct root stock used is as follows

A.	(i) and (ii) are correct
B.	(i) and (iii) are correct
C.	(ii) and (iii) are correct
D.	All of these

100. The average weight of good quality sucker of banana used for planting is:

- 1) 0.5 - 1.0 Kg ~~2) 1.5 - 2.0 Kg~~
 3) 3.0 - 3.5 Kg 4) 4.0 - 4.5 Kg

101. Pectin is most essential in-

- 1) Pickle making 2) RTS
 3) Squash making ~~4) Jelly making~~

102. Select the crop where seed propagation is necessary.

- 1) Guava 2) Sapota
 3) Jack ~~4) Papaya~~

103. Select a crop which is multiplied only through vegetative method of propagation.

- ~~1) Pine apple~~ 2) Tamarind
 3) Jack 4) Sapota

104. Musket is a variety of-

- ~~1) Pomegranate~~ 2) Grapes
 3) Banana 4) Papaya

105. Match List - I correctly with List - II and select your answer using the codes given below

List - I(Crop)	List - II(Cross)
a) Amrapali	1. Neelum X Dashehari
b) Mallika	2. Alphonso X Banganapalli
c) Arka Aruna	3. Dashehari X Neelum
d) Arka Puneet	4. Banganapalli X Alphonso

	a	b	c	d
A.	2	3	1	4
B.	4	2	3	1
C.	1	2	3	4
D.	3	1	4	2

106. Match List - I correctly with List - II and select your answer using the codes given below

List - I(Crop)	List - II(Variety)
a) Acid Lime	1. Satsuma
b) Lemon	2. Malta Blood Red
c) Sweet Orange	3. Kagzi Nimboo
d) Mandarin Orange	4. Malta

	a	b	c	d
A.	3	4	2	1
B.	4	3	1	2
C.	2	3	4	1
D.	1	3	2	4

107. Abacus is a variety of-

- ~~1) Pineapple~~
- 2) Mango
- 3) Grapes
- 4) Banana

108. Which one of the following is correctly matched?

- 1) Mango - Balusta
- ~~2) Gynodioecious - Coorg Honey Dew~~
- 3) Banana - Kalipatti
- 4) Sapota - Co-7

109. Cross protected seedlings are used to overcome which one of the following diseases of acid lime?

- 1) Wither tip
- 2) Sooty mould
- 3) Canker
- ~~4) Tristeza~~

110. The parentage of "Miridula" hybrid of Pomegranate is:

- ~~1) Ganesh X Gul - e - Shad Red~~
- 2) Ganesh X Nana
- 3) Ganesh X Gulsha Rose Pink
- 4) Ganesh X Ruby

111. Which one of the following is correctly matched-

- 1) Jack - Anar Caterpillar
- 2) Aggregate fruit - Banana
- ~~3) Spongy tissue - Mango~~
- 4) Aonla - Layering

112. Different cultural operations are done in banana. Gve the correct sequence-

- 1) Mattocking, Proping, Harvesting, Desuckering
- 2) Harvesting, desuckering, mattocking, proping
- 3) Proping, mattocking, harvesting, Desuckering
- ~~4) Desuckering, proping, harvesting, mattocking~~

113. Citrus reticulata is native of from-

- ~~1) South East Asia~~
- 2) South America
- 3) Africa
- 4) Australia

114. Dwarfing root stock of apple is:

- 1) Plum
- 2) Jonathan
- ~~3) Malling IX~~
- 4) Apricot

115. Consider the following statements: Assertion (A): Precautions should be taken care at the time of growing of in the crops in banana Reason (R): Cucurbits are not recommended. Now select the answer according to the code given below.

- 1) Both (A) and (R) are true. (R) is the Correct explanation of (A) ~~2) Both (A) and (R) are true, but (R) is not the Correct explanation of (A)~~
 3) (A) is true but (R) is false 4) (A) is false but (R) is true

116. The origin of Mango is:

- 1) Australia 2) Phillippines
 3) New Guinea ~~4) S.E Asia~~

117. Match the following

a) Apple	1) Rome Beauty
b) Pomegranate	2) Mridhula
c) Aonla	3) BSR 1
d) Jack	4) PPI 1

	a	b	c	d
A.	2	3	1	4
B.	1	2	3	4
C.	1	4	3	2
D.	4	3	1	2

118. Which one of the following is correctly matched?

- ~~1) Ber - Arid zone~~ 2) Mango - Temperate
 3) Apple - Tropical 4) Guava - Temperate

119. Which is the national fruit of India?

- ~~1) Mango~~ 2) Banana
 3) Guava 4) Grapes

120. Banana is propagated vegetatively by means of-

- ~~1) Suckers~~ 2) Rhizome
 3) Tuber 4) Pceper

121. Black Pepper is considered the King of Spices because of-

- 1) Piperine content 2) Various value added products
~~3) Volume of International trade~~ 4) Varietal wealth

122. Which one of the following Ginger varieties is correctly matched?

- 1) Suprabha - Fibrous 2) Himgiri - Oil
 3) Thinladium - Oleoresin ~~4) Nadia - Starch~~

123. In Cinnamon, young trees are cut close to the ground to produce more side shoots. This horticultural operation is known as-

- 1) Pollarding ~~2) Coppicing~~
 3) Lopping 4) Stooling

124. Which of the following seed rate/ha is correct in Ginger crop?

- 1) 1000 Kg ~~2) 1500 Kg~~
 3) 2000 Kg 4) 2500 Kg

125. i) Pepper is a climbing evergreen plant ii) Pepper is a creeper iii) pepper is an evergreen twiner iv) pepper is a evergreen trailer Of the statements-

- ~~1) (i) alone is correct~~ 2) (i) and (ii) arc correct
 3) (i), (ii) and (iii) are correct 4) All are correct

126. The Mode of Propagation is:

a) Pepper	1) Layers
b) Cardamom	2) Cuttings
c) Clove	3) Seeds & Vegetative
d) Cinnamon	4) Approach grafting

	a	b	c	d
A.	2	4	3	1
B.	2	1	4	3
C.	3	2	1	4
D.	2	3	4	1

127. Choose the correct one-

- ~~1) Cinnamon - Konkan Tej~~ 2) Coriander - Rio-de-Janeiro
 3) Fenugreek - Sadhana 4) Ginger - Rajentra Kanti

128. Which one of the following is correctly matched-

- ~~1) Clove - Tree Spices~~ 2) Black pepper - Seed spices
 3) Coriander - Queen of spices 4) Cardamom - Minor spice

129. Consider the statements. 1) Turmeric botanically called as *Curcuma longa* 2) Turmeric is sexually propagated crop 3) Turmeric belongs to Zingiberaceae family 4) Turmeric comes under seed spices Of the statements-

- ~~1) 1 alone is correct~~ 2) 1, 2 and 4 are correct
~~3) 1 and 3 are correct~~ 4) All are correct

130. Which one of the following chemicals is used for seed treatment to improve the germination in Cardamom?

- 1) Citric acid ~~2) Nitric acid~~
 3) Gibberellic acid 4) Acetic acid

131. Vishwasree is the variety of which one of the following crops?

- 1) Clove 2) Turmeric
~~3) Nutmeg~~ 4) Ginger

132. In tea, the plant population in single hedge contour planting system is:

- ~~1) 10,800~~ 2) 12,200
 3) 13,200 4) 6,800

133. The nature of pollination and fertilization in *Coffea Arabica* is:

- ~~1) Self pollinated and Self-fertile~~ 2) Self pollinated and Self-sterile
 3) Cross pollinated and Self-fertile 4) Cross pollinated and Self-sterile

134. Red Palm weevil in Coconut can be effectively managed by-

- 1) Synthetic Pyrethroids ~~2) Root feeding~~
 3) Hooking 4) BHC Dust

135. Termites in coconut can be effectively controlled by using-

- 1) Aluminium Phosphide
 2) BHC Dust
 3) DDT
~~4) Chlorpyrifos~~

136. Match List I correctly with List II and select your answer using the codes given below:

List - I	List - II
a) Coconut	1) RRS, Vridhachalam
b) Arecanut	2) NRC, Pedavagi
c) Cashew	3) CRS, Veppankulam
d) Oil Palm	4) NRC, Vittal

	a	b	c	d
A.	1	3	2	4
B.	3	4	1	2
C.	4	3	2	1
D.	3	4	1	2

137. Match List I correctly with List II and select your answer using the codes given below:

List - I	List - II
a) Coconut	1) 7 x 7m
b) Arecanut	2) 1.25 x 1.25m
c) Cashew	3) 2.7 x 2.7m
d) Oil Palm	4) 7.5 x 7.5m

	a	b	c	d
A.	1	3	2	4
B.	2	1	4	3
C.	2	1	3	4
D.	4	3	1	2

138. Cocoa is used as-

- 1) Adjunct
~~2) Beverage~~
 3) Masticator
 4) laxative

139. Single hedge and Double hedge method of planting is followed in-

- ~~1) Tea~~
 2) Cocoa
 3) Arecanut
 4) Cashew

140. Match List I correctly with List II and select your answer using the codes given below:

List - I(Crops)	List - II(Varieties)
a) Cashew	1) Pisifera
b) Arecanut	2) RRIM600
c) Oil Palm	3) Mangula
d) Rubber	4) Vengurla

	a	b	c	d
A.	4	3	2	1
B.	3	4	1	2
C.	4	3	1	2
D.	3	1	4	2

141. Match List I correctly with List II and select your answer using the codes given below:

List - I(Crops)	List - II(Operation)
a) Cashew	1) Tapping
b) Tea	2) Extraction
c) Oil Palm	3) Top working
d) Rubber	4) Pruning

	a	b	c	d
A.	4	3	2	1
B.	3	4	2	1
C.	4	3	1	2
D.	3	1	4	2

142. Match the following:

a) Coconut	1) Rust
b) Tea	2) Root wilt
c) Arecanut	3) Blister blight
d) Coffee	4) Yellow leaf disease

	a	b	c	d
A.	2	3	4	1
B.	1	2	3	4
C.	3	4	1	2
D.	4	1	2	3

143. Assertion and Reason Type: Assertion(A) - India is the leading producer of coconut in the world. Reason(R) - India is adopting recent cultural management techniques in coconut.

- 1) Both A and R are true and R is true correct explanation
 2) Both A and R are true and R is NOT true correct explanation for A
 3) A is true but R is false
 4) A is false and R is true

144. Arka Abhay is a variety of-

- 1) Tomato
 2) Brinjal
 3) Bhendi
 4) Chilli

145. The dry pod yield in chilli /ha ranges from-

- 1) 5 - 6 t/ha
 2) 7 - 8 t/ha
 3) 4 - 4.5 t/ha
 4) 2 - 3 t/ha

146. Multiple selection type(multiple answer type) Consider the statements (I) Onion is propagated by seeds (II) Onion is propagated by bulbs (III) Onion is propagated both by seeds and bulbs (IV) Onion is propagated by suckers Of these statements:

- 1) I alone is correct
 2) I, II and III are correct
 3) I and II are correct
 4) All are correct

147. Which one of the following species is grain type?

- 1) Amaranthus tricolour
 2) Amaranthus dubius
 3) Amaranthus hypochondriacus
 4) Amaranthus tristis

148. Pusa parvathi is the variety of which one of the following crops?

- 1) Vegetable cowpea
 2) Dolichos bean
 3) Cluster bean ~~1~~
 4) French bean

149. The economic part of Artichoke is technically called as-

- 1) Head
 2) Flower bud ~~2~~
 3) Leaf
 4) Stem tuber

150. A serious pest of Sweet Potato causing damage in the field and storage is:

- 1) Carcyra
 2) Leptocorisa
 3) Callosobruchus ~~3~~
 4) Cylas

151. Yellow vein mosaic of okra is vectored by-

- ~~1~~ White fly
 2) Aphid
 3) Plant hopper
 4) Leaf hopper

152. Which one of the following is matched?

- ~~1~~ Hot pepper - Bagyalakshmi
 2) Tomato - Pusa Purple Long
 3) Brinjal - Arka Vardan
 4) Bhendi - Arka Ccphar

153. In Pumpkin Crop, consider the statements: (I). It is a direct sown crop (II). Grows under rainfed conditions (III). Vulnerable to CMV (IV). Resistant to frost Of the above,

- 1) I alone is correct
 2) I and II are correct
~~3~~ 3) I, II and III are correct
 4) All are correct

154. The summer squash is:

- ~~1~~ Cucurbita pepo
 2) Cucurbita moschata
 3) Cucurbita ficifolia
 4) Cucurbita argyrosperma

155. Which one of the following is correct?

- ~~1~~ Amaranths - Pusa Kirti
 2) Bitter gourd - Shakthi
 3) Ash Gourd - Arka Bahar
 4) Cauliflower - Pusa Muktha

156. The amphidiploid B.Carinata is derived from-

- 1) B. rapa x B. nigra
~~2~~ 2) B. nigra x B. oleraceae
 3) B.nigra x B. rapa
 4) B. olcraceae x B. rapa

157. Multiple answer type . Consider the statements: i) Tomato is a fruit vegetable ii) Tomato is a rich source of Vitamin C iii) Arka Upkar is a variety of tomato iv) Epilachna beetle is a major pest Of these statements.

- 1) i, ii, and iii are correct
~~2~~ 2) i and ii are correct
 3) iii and iv are correct
 4) All are correct

158. Which of the following refers to "Spanish Jasmine" from which "Jasmine Oil" is commercially extracted?

- 1) Jasminum auriculatum
~~2~~ 2) Jasminum grandiflorum
 3) Jasminum sambac
 4) Jasminum humile

159. Consider the following statements: Assertion : Concrete is costlier than absolute. Reason : Concrete is the purest form.

- 1) (A) is true (R) is false
~~2~~ 2) (A) is false and (R) is false
 3) (A) and (R) are true, R is correct explanation of A
 4) (A) and (R) are true, R is NOT correct explanation of A

160. The popular red coloured rose variety produced for export in India is

- 1) B.P. Pal
- 2) Tropical Amazon
- ~~3) Taj Mahal~~
- 4) Confrctti

161. The ploidy level of African marigold is:

- 1) $2n = x$
- 2) $2n = 2x$
- 3) $2n = 3x$
- ~~4) $2n = 4x$~~

162. The important cut rose variety is:

- 1) Sangna
- 2) ~~First red~~
- 3) Arunima
- 4) Malaga

163. Match List I correctly with List II and select your answer using the codes given below:

List - I	List - II
a) Crossandra	1) Attar
b) Chrysanthemum	2) Non fragment
c) Rose	3) Concrete
d) Jasmine	4) Netting

	a	b	c	d
A.	2	3	4	1
B.	2	4	1	3
C.	3	4	2	1
D.	1	3	4	2

164. Ratooning is possible in-

- 1) Edward Rose
- 2) Jasmine
- ~~3) Chrysanthemum~~
- 4) Marigold

165. Which of the following on Crossandra is true? I. Orange is tetraploid II. Sebaculis Red is tetraploid III. Delhi Crossandra is a triploid

- 1) I and II
- 2) I and III
- 3) II and III
- ~~4) I, II and III~~

166. Which statement is correct regarding Crossandra? I. Nematodes vs. Carbofuran II. Triploids vs. Terminal cuttings III. Tetraploids vs. 30 day old seedlings IV. Delhi Crossandra vs. 60 x 60 cm.

- 1) I only
- 2) II only
- ~~3) I and II only~~
- 4) III and IV only

167. Consider the statements: (i) Pyrethrum and Digitalis can be grown in sub tropical conditions. (ii) Senna is grown in Southern Districts of Tamil Nadu (iii) Gloriosa is propagated by seeds and tubers (iv) In Catharanthus seeds are used. Of these statements:

- 1) (i) alone is correct
- 2) (i) and (ii) are correct
- 3) (ii) (iii) (iv) are correct
- ~~4) (ii) and (iii) are correct~~

168. Catharanthus belongs to the family of-

- 1) Apiaceae
- 2) Oleaceae
- ~~3) Apocynaceae~~
- 4) Asteraceae

169. Colchicine in the alkaloid extracted from-

- 1) Catharanthus
- 2) ~~Gloriosa~~
- 3) Senna
- 4) Digitalis

170. Senna is a small perennial under shrub native of-

- 1) Japan
- 2) Pakistan
- 3) ~~South Arabia~~
- 4) China

171. The seed rate for senna per hectare-

- 1) 5 kg
- 2) 10 kg
- 3) ~~20 kg~~
- 4) 30 kg

172. Which one of the following is correctly matched?

- 1) Senna - Lily flower
- 2) ~~Digitalis - Foxglove~~
- 3) Gloriosa - Jhelum
- 4) Pyrethrum - Nilavagai

173. Pyrethrum is obtained from-

- 1) ~~Chrysanthemum cinerariaefolium~~
- 2) Chrysanthemum grandiflorum
- 3) Chrysanthemum indicum
- 4) Cassia angustifolia

174. Mentha Citrata is a hybrid between the two species.

- 1) Mentha arvensis and Mentha viridis
- 2) ~~Mentha aquatica and Mentha viridis~~
- 3) Mentha spicata and Mentha arvensis
- 4) Mentha piperita and Mentha spicata

175. Which one of the following is correctly matched?

- 1) Periwinkle - Fever
- 2) Gloriosa - Diarrhoea
- 3) ~~Senna - Laxative~~
- 4) Digitalis - Mutation

176. Which one of the following is correctly matched?

- 1) ~~Catharanthus - Vincristine~~
- 2) Foxglove - Forskolin
- 3) Gloriosa - Saponin
- 4) Safed Musli - Digitoxin

177. Damping -off of senna seedlings can be controlled by treating the seeds with-

- 1) Rhizoctonia baticola
- 2) ~~Pseudomonas fluorescens~~
- 3) VAM
- 4) Phytophthora parasitaica

178. Kiran is the variety of which one of the following?

- 1) ~~Bergamont Mint~~
- 2) Spear Mint
- 3) Japanese Mint
- 4) Pepper Mint

179. Which one of the following is correctly matched?

- 1) Palmarosa - Rhodinol
- 2) Lavender - Geraniol
- 3) Geranium - Linanolol
- 4) ~~Rosemary - Thymol~~

180. Among the following crops, whose oil is used in manufacture of scented floor cleaners?

- 1) Mint
- 2) Eucalyptus
- 3) ~~Palmarosa~~
- 4) Patchouli

181. Consider the statement: i. Mentha spicata can be grown in plants ii. Artemisia pallens is marikozhundhu iii. Patchouli can be grown as an intercrop in coconut gardens. iv. Geraniol is extracted from citronella Of these statements

- 1) (i) alone is correct
- 2) ~~(ii) and (iii) are correct~~
- 3) (ii) ,(iii) and (iv) are correct
- 4) All are correct

182. Geranium is a native of-

- 1) France
- 2) Italy
- 3) China
- 4) South Africa

183. Japanese Mint belongs to the family-

- 1) Labiatae
- 2) Apocynaceae
- 3) Liliaceae
- 4) Asteraceae

184. Patchouli cultivation is affected by-

- 1) Mealy bugs
- 2) Leaf spot
- 3) Nematode
- 4) Snails

185. The oil yield of patchouli per hectare per year is:

- 1) 15 - 18 kg
- 2) 20 - 25 kg
- 3) 30 - 40 kg
- 4) 5 - 10 kg

186. The art of training plants to different shapes is known as-

- 1) Trophy
- 2) Topiary
- 3) Pergola
- 4) Moribana

187. Assertion A: Pergolas and Arches are erected to have a separation and privacy.

Reason R : Casuarina and Vernonias are more suitable for erecting arches/pergolas

Now select your answer according to the coding scheme given below.

- 1) A is false R is true
- 2) A is true R is false
- 3) Both A and R are true and R is not correct explanation of A
- 4) Both A and R true and R is the correct explanation of A

188. Which one of the following is correctly matched?

- 1) Dieffenbachia - Shrub
- 2) Calophyllum - Flowering tree
- 3) Lagerstroemia - Prkde of India
- 4) Tabernae montana - Indoor plant

189. Which is called multivitamin green?

- 1) Amaranthus
- 2) Chekurmanis
- 3) Palak
- 4) Chenopodium

190. A common plant of a herbal garden is:

- 1) Solanum nigrum
- 2) Nerium oleander
- 3) Chrysanthemum cinerarifolium
- 4) Atropa belladonna

191. A stem that develops from the axil of the leaves at the crown of a plant and grows horizontally along the ground is called-

- 1) Tuberos root
- 2) Off shoots
- 3) Tuber
- 4) Runner

192. In Kitchen garden, i. Perennial vegetables can be cultivated in the perennial plot ii. Gourds can be cultivated on the fence iii. Gourds can be cultivated using bower on the manure pits iv. The either sides of the path can be used for Onion, Coriander and Amaranth. Of these statements:

- 1) I is alone correct
- 2) I and II are correct
- 3) I, II and III are correct
- 4) All are correct

193. The correct order of components in a typical drip system layout is:

- ~~1) Water Source - Filters - Pressure Regulator - Main - Drippers~~ 2) Water Source - Pressure Regulator - Main - Filters - Drippers
 3) Water Source - Main - Filters - Pressure Regulator - Drippers 4) Water Source - Mains - Filters - Drippers

194. Which one of the following planting systems is followed in hill area?

- 1) Diagonal system ~~2) Contour system~~
 3) Triangular system 4) Hexagonal system

195. Match List I correctly with List II and select your answer using the codes given below:

List - I (Crop)	List - II (Protein content g/100g)
a) Agathi	1) 3.2
b) Cluster beans	2) 8.4
c) Peas	3) 6.1
d) Curry leaves	4) 7.2

	a	b	c	d
A.	1	2	3	4
B.	2	1	4	3
C.	1	3	2	4
D.	4	3	2	1

196. Which one of the following Lawn grass is correctly matched?

- ~~1) Cynodon intermedius - Chain grass~~ 2) Sporobolus tremulus - Japan grass
~~3) Poa annua - Blue grass~~ 4) Zoisia japonica - Hariyali

197. Which one of the following is correctly matched?

- ~~1) Climber - Tecoma~~ 2) Hedge - Iresine
~~2) Shrub - Duranta~~ 4) Edge Ipomea

198. Which one of the following is correctly matched?

- 1) Ficus benghalensis - Pipal 2) Ficus religiosa - Gulmohr
 3) Delonix regia - Banyan ~~4) Cedrela toona - India mahogany~~

199. Which one of the following is the quickest method in lawn making?

- ~~1) Seeding~~ 2) Dibbling
~~3) Turfing~~ 4) Turf plastering

200. The memorable gift to Indian gardens by the bircher's is:

- ~~1) Herbaceous border and lawn~~ 2) Tree and Shrubs
 3) Non plant components 4) Roads and Paths