

Mock Test - Fruit Science (2015-16)

Right: No. of marks: 40
Not attempted: 0
Wrong: 0
21/30

- 1) Family of Pistachionut is Anacardiaceae
- 2) Basic chromosome (n) no. of Strawberry 2n=7
F. chilonensis F. vesca
- 3) Grape & Pomegranate fruit crops are basically temperate fruit crop but well acclimatized in subtropical region.
- 4) MM104 is winter hardy rootstock of Apple.
- 5) Pusa Sharad & Pusa Round are new varieties of Sweet orange fruit crop
- 6) Pusa Aditya & Pusa ~~Chitra~~ ^{Chitralaksha} are new varieties of Chrysanthemum flower crop
- 7) Endosperm of follicles is edible part Strawberry ornamental plant. Magnolia
- 8) Yellow leaf is serious disease of Rubber ^{precuit} plantation crop.
- 9) C. medica, C. aurantium & C. grandis are the monoembryonic species of citrus fruit.
- 10) Sanjose scale is pest of Apple. introduced from France 1906
- 11) Subtropical Evergreen pome fruit crop is Loquat
- 12) IIMR established in the year 1968 *CIIR 780*
- 13) CTCRI established in the year 1963
- 14) Kinnow mandarin developed by H.B. Puri and it is cross between C. nobilis X C. deliciosa 1935
India India 1959
- 15) Sweetest sugar in fruit fructose
- 16) Santa rosa is popular variety of Apple
- 17) 'Gravesh Kirti' is a variety of (Aonla)

18) Astounding in cashewnut due to Thurston chemical.

19) $\frac{10-180}{11-240}$ grade is called King of Cashewnut & $\frac{no. of kernels/pounds}{is called count.}$ grade is called Jumbo nut.

20) Kiwifruit is ~~for~~ commercially propagation is layering

21) Fig & guava commercial propagation is hardwood cuttings

22) Cashewnut commercial propagation is grafting

23) Fuyun & 20th Century are commercial varieties of Peruimon fruit crop

24) ~~Fuyun~~ ^{simplex} is commercial variety of Avocado

25) Hexagonal system is also known as Equiangular system

26) Calcium carbide releases acetylene gas

27) Sordaria is evolved through a back cross between Rutera X Alplane

28) Lemon is commercially propagated by layering

29) Mulching important practice in strawberry fruit

30) Proliferation in fig is affected by WASP *Blacus phagocera*

31) 105° angle is made in between two hydrogen atoms in water molecule.

32) Pollen viability is measured by Acrocaric Test

33) Colowic is physiological disorder associated with grape fruit crop.

34) Sujika is a disorder of Mango fruit crop

35) The cost:Benefit ratio of Bower system of training in Grape is High 1:2.04

36) Root pruning is done in Citrus fruit crop.

37) Girdling is related to Peruimon

MOCK TEST - FLA

Reethu L.R

No. of wrong - 13

No. of right - 34

No. of attended - 48

1) Commercial method of propagation in rose ?

- a. T-budding
- b. Shield budding
- c. seeds
- d. both a and b.

2) Geotropic bending of spikes in gladiolus is due to ?

- a. IAA
- b. IBA
- c. NAA
- d. None

3) One and half pinching is done for the purpose of _____

- a. delaying flowering
- b. to induce lateral shoots
- c. to get continuous flowering
- d. to get double harvest

4) Calyx splitting in carnation is due to _____

- a. High N₂ to ammonical nitrogen
- b. low N₂ to ammonical nitrogen
- c. High boron level
- d. High temperature

5) No pinch, no stake cultivar of chrysanthemum is _____

- a. Appu
- b. Mauve
- c. Sharadkumar
- d. All.

6) Common type of Male sterility in Marigold ?

- a. CMS
- b. GMS
- c. CGMS
- d. none

7) Epiphytic orchid is _____

- a. Cymbidium
- b. Paphopedilum
- c. Vanda
- d. Cattleya

8) Pruning in Jasminum grandiflorum is done in the month of _____

- a. September - October
- b. November - December
- c. December - January
- d. January - February

9) "Midori" is _____ colored variety of Anthurium

- a. Red
- b. white
- c. green
- d. yellow

10) Orchids are _____ in nature

- a. short day
- b. long day
- c. day neutral
- d. none

11) Origin of tuberose is _____

- a. South Africa
- b. Mexico
- c. India
- d. Brazil

12) Gerbera crop was discovered by botanist _____

- a. R. Jameson
- b. T. Gerber
- c. R. Z. Lynch
- d. none

13) optimum weight of tuberose bulbs for planting is _____

- a. 80-100g
- b. 20-30g
- c. 60-80g
- d. 40-50g

24

Birbal sushoni

CMS - pelunia

Etalco. Bicolor
Bettlesky - gladiolus
type
Petersie
Scepter

N.A

X

14) "Grandiflora" was arise out of cross between _____

- X a. Hybrid Tea x Polyanthas (c) Hybrid Tea x Floribundas
b. Hybrid perpetual x Tea rose d. Floribunda x Hybrid perpetual

15) Fragrant variety of gladiolus is _____

- ✓ a. Friendship ^{tetra hybrid} b. lucky star c. Mayur d. Shobha-mustard va

16) Genetically modified. Caenation variety is _____

- ✓ a. star dust b. Moon dust c. lipstick d. Pico ^{man shades blue sb}

17) chrysanthemum coronarium is an _____ annual

- N.I.A a. summer season c. rainy season
b. winter season d. spring season

18) seed rate of Marigold is _____

- ✓ a. 0.5 kg/ha b. 1.5 kg/ha c. 3 kg/ha d. 5 kg/ha

19) Temperate orchid which is one of top ten cut-flower is _____

- X a. vanda b. Cattleya (c) Cymbidium d. Dendrobium

20) Anthurium species which have variegated foliage _____

- N.I.A a. A. andeanum (c) A. grande
b. A. Scherzerianum d. none

21) Arka nirantara is a variety of _____

- N.A a. gladiolus (b) tuberosa c. marigold d. Rose

22) stemless perennial herb is _____

- ✓ a. Anthurium c. Gerbera
b. orchid d. Tuberosa

23) Monotypic genus among the following is _____

- X a. Rosa b. Gerbera c. orchid (d) Polyanthas ^{monotypic Corolla}

24) CO₂ requirement in greenhouse cultivation of Rose is _____

- ✓ a. 500-1000ppm b. 1000-3000ppm c. 5000-6000ppm d. none

25) Generally pruning in Rose is done in month of _____

- ✓ a. Jan - Feb b. Oct - Nov c. July - Aug d. April - May
_{N.I.}

26) Basic chromosome number in gladiolus is _____

- ✓ a. 15 b. 20 c. 25 d. 10

27) Photo and thermo insensitve chrysanthemum variety is _____

- N.I.A a. Pusa Centenary (b) Pusa anmol c. Pusa sona d. none

_↓ yellowst cut & _↓ redness of _↓ red purple
mutant & rhaichonques eyes

(21+1)

28. Hypertriploid variety of Rose "Mohini" has chromosome no. —
(Schokolade rose)

- ✓ a. 21 b. 22 c. 23 d. 24

29. Yellow color in carnation is contributed by species —

- ✓ a. *Dianthus foebida* c. *Dianthus knappi*
- b. *Dianthus lulea* d. none

30. Bull head formation in rose is due to deficiency of

- N.A a. Nitrogen b. copper c. boron d. calcium

31. crop origin

a. Gladiolus	→	France (b)
b. Carnation	→	China (c)
c. Chrysanthemum	→	Africa (a)
d. Marigold	→	Columbia (e)
e. Anthurium	→	Mexico (d)

32. crop x(BCN)

a. Jasmine	→	7 (c) ✓
b. Carnation	→	9 (a) X
c. Rose	→	13 (a) ✓
d. Chrysanthemum	→	15 (e) X
e. Gerbera	→	25 N.A

33. crop flower types

a. Rose	→	double type (c)
b. Chrysanth	→	Coloille hybrids (e)
c. Gladiolus	→	spoon type (b)
d. Carnation	→	Marguerite types (d)
e. Tuberose	→	Austrian briars (a)

34. crop disorder

a. Gerbera	→	Tomato aspermy (d)
b. Rose	→	Sleepiness (e) alwin (b)
c. Gladiolus	→	Post harvest stem break (a)
d. Chrysanth	→	Bent neck (b)
e. Carnation	→	Tip burn (c)

35.

X a. Dancing lady	→	<i>Peristeria</i> (e)	b
X b. Dove orchid	→	<i>Oncidium</i> (d)	a
X c. Scorpion orchid	→	<i>Amundina</i> (a)	e
X d. Moth orchid	→	<i>Arachnis</i> (e)	c ✓
✓ e. Bamboo orchid	→	<i>Phelanopsis</i> (a)	d

- 16
- 1) Which of the following citrus type is monoembryonic
- ✓ a) Citron c) Tahiti lime
b) Pummelo d) All of above
- 2) Diagonal system of planting is also known as
- ✓ a) Square c) Quincunx
b) Triangular d) Hexagonal
- 3) Auxin production is inhibited by
- ✓ a) Zn-deficiency c) B-deficiency
b) Mn-deficiency d) Mo-deficiency.
- 4) In guava, bending operation is not required in
- X a) Alahabad Safeda c) L-49
b) Ashka Amulya d) Hissar sukha
- 5) Ultra dwarf rootstock in citrus
- X a) Kasnakatta c) Rough lemon
b) Casarizzo d) Flying dragon
- 6) Fruits are generally low in
- X a) Moisture c) Protein
b) Vitamins d) Sugars
- 7) Botanically, the fruit of Tamarind is
- ✓ a) Nut c) Hesperidium
b) Berry d) Pod (Lomentum)
- 8) APEBA was established in
- X a) 1885 b) 1930
c) 1982 d) 1985
- 9) Which fruit is known as "Miracle fruit of China"
- ✓ a) Kiwifruit b) Guava
c) Mango d) Grape
- 10) Who is the father of Pomology
- ✓ a) Mendel b) De Candolle
c) G.S. Ramthawa d) Darwin.

- ✓ 11) Edible banana is a) 2n b) 3n c) 4n d) 6n
- ✓ 12) Economic part of *Aswagandha*
a) Leaves b) Roots c) Fruit d) Flower
- ✓ 13) Botanically, *Opium* is
a) Berry b) Capsule c) Nut d) Drupe
- ✓ 14) RS-1 is variety of
a) *Aswagandha* b) *Sarpagandha* c) *Guggal* d) *Isabgol*
- X 15) Which of the following is called King of Bitter
a) *N neem* b) *Kalmegh* c) *Senna* d) *Opium*
- ✓ 16) Family of *Isabgol*
a) *Piperaceae* b) *Plantaginaceae* c) *Fabaceae* d) *Solanaceae*
- X 17) *Parashant* is variety of
a) *Celery* b) *Chamomile* c) *Davana* d) *Kewada*
- ✓ 18) Which of the following plant is called as Screw Pine
a) *Davana* b) *Kewada* c) *Vetiver* d) *Palmarosa grass*
- ✓ 19) *Vetiver* is propagated by
a) Seed b) Bulbs c) Rooted slips d) Crown
- X 20) *Shivalik* is most popular variety in India
a) *Spear mint* b) *Peppermint* c) *Japanese mint*
d) *Bergamot mint*
- X 21) Ethylene absorber or scrubber
a) $KMnO_4$ b) $AgNO_3$ c) STS d) I-MCP
- ✓ 22) *Tapka* is Maturity Index in
a) *Apple* b) *Mango* c) *Pear* d) *Citrus*
- ✓ 23) BARC (Bhabha Atomic Research Centre) located at
a) *Bombay* c) *Jammu*
b) *Mysore* d) *Lucknow*
- X 24) Best temperature for Degreening
a) $25^\circ C$ c) $27^\circ C$
b) $26^\circ C$ d) $28^\circ C$
- ✓ 25) *Bovine floatation* technique is commercially used in
a) *Onion & garlic* e) *Pea & Beans*
b) *Leafy vegetable* d) *Cucurbits*

Date- 11-10-2015

Regular

NO OF Qs	R	W	NA
10	48	48	48

Vegetable science

IARI, New Delhi

1. Pot herbs are generally..... Season vegetables
a) Summer b) Warm c) Cool d) Autumn
2. Weed more problematic in beet root
a. Palak **(b) Pigweed** c. Cyprus d. Orobanche
3. BBF (Broad Bed Furrow) is related to which crop
a. Tomato b. Cucumber c. Onion d. Watermelon
4. Chromosome no. of drumstick
a. $2n=18$ b. $2n=28$ c. $2n=42$ d. $2n=48$
5. Powdery mildew resistance in garden pea is governed by
a. Single recessive gene b. Double recessive gene c. Dominant d. Polygenes
6. *Amaranthus* $x =$
a. 16 or 17 b. 15 or 16 c. 14 or 15 d. 12 or 14
7. *Ameranthus* is -----
a. Tribasic b. Monobasic c. Tetrabasic d. Dibasic
8. Thickness of mulching sheet
a. 120 gauge b. 150 gauge c. 200 gauge d. 180 gauge
9. Polythene sheet used for soil solarization is of -----
a. 250 gauge b. 350 gauge c. 850 gauge d. 100 gauge
10. ETL for DBM is -----
a. 5 Larvae per plant b. 2 Larvae per plant c. 6 Larvae per plant d. 10 Larvae per plant
11. ETL for potato aphids -----
a. 30 / 100 compound leaves b. 40 / 100 compound leaves
c. 50 / 100 compound leaves d. 20 / 100 compound leaves
12. Club root of cabbage & Black leg are problem more severe in ----- & ----- soils respectively
a. Acidic & Basic b. Acidic & Alkaline c. heavy & Light d. Clay & Sandy
13. ----- & ----- disorder in tomato are inversely related
a. Puffiness & cracking b. BER & cracking c. BER & Gold fleck d. Puffiness & Catfacing
14. Curing temperature of potato, sweet potato & onion are ----- & ----- °C respectively
a. 20, 29 & 38.7 b. 40, 20 & 36 c. 29, 47 & 18 d. 38.7, 20 & 29
15. The genes *cry-I* & *cry-II* confers resistance to ----- & ----- pest's respectively
a. Diptera & coleopteran b. Shoot & fruit borers
c. **(c) Lepidopteran & coleopteran** d. Diptera & elepidorcen
16. Which of the following is pie plant
a. Asparagus b. Celery c. **(c) Rhubarb** d. Watermelon
17. Round type of cabbage mature
a. Late b. Mid **(c) Early** d. Very late
18. Red & yellow colour of onion is due to ----- & ----- respectively
a. Anthocyanin & kaempferol b. Anthocyanin & quercetin
c. Quercetin & anthocyanin d. Anthocyanin & B-xanthin
19. ----- is resistant to cyst nematode of potato
a. Kufri chandrima b. Kufri Badsha **(c) Kufri swarna** d. Kufri surya
20. Antinutritional factor in sweet potato is
a. protease **(b) Trypsin inhibitor** c. oxalates d. HCN
21. capsicum shape variety of bitter gourd
a. pusa poorvi b. Pusa rasadar c. konkan tara d. priya
22. Club root of cabbage is due to
a) *Plasmodiophora brassicae* b. Bacteria c. *Phoma lingam* d. Virus
23. Highest folic acid among the leafy vegetables is found in.....
a. Amaranthus b. Lettuce c. **(c) Spinach** d. Methi
24. Highest oxalic acid is found in Leafy vegetable
a) **(a) Amranthus** b. Lettuce c. Spinach d. Methi

C. Spinach

NR NA
6 11 5

Date- 11-10-2015

Date-

- 25. Carrot variety suitable for protected cultivation is.....
a. Pusa Nayanajyothi b. Pusa Asita c. Pusa yamadagni **(d) Pusa Rudhira** d
- 26. Excess of K in carrot leads to
a Cracking b. Splitting c. Cavity spot d. Forking
- 27. Black carrots are rich in..... pigment
a. β -cyanin b. Lycopene c. Chlorophyll **d** Anthocyanin
- 28. Crucifer vegetable studied under cole crops is
a. Cabbage b. Knol-khol c. Broccoli **d** Turnip
- 29. Fermented product of cabbage leaves is called as and is remedy against.....
a. Erisseri & Blidness **b** Saurkraut & Scurvy c. Sagu & Rickets d. Poi & Scurvy
- 30. Which of the following is the shallow rooted vegetable?
a Onion **(b)** European small radish c. Radish d. Turnip
- 31. Cultivation of cucurbitaceous vegetable after..... vegetables is not profitable
a. Solanaceous fruit vegetables b. Cole vegetables c. Root vegetables d. Leguminous **nemaodes**
- 32. Heat units in pea is calculated in based on
a. Vernalization temperature b. High day temperature c. Low night temperature **d** Base temperature
- 33. Wider spacing and excessive use of fertilizer in potato may cause
a. Internal brown spot b. Black heart c. Greening d. **Hallow heart** d
- 34. Which of the following cucurbit contain highest iron
a Bitter gourd b. Bottle gourd c. Ivy gourd d. Watermelon d
- 35. Anther dehiscence in tomato and brinjal is through and respectively
a. Longitudinal & apical pore b. Early, late c. Longitudinal, Vertical d. Longitudinal and vertical **a**
- 36. Perianth type of flower are seen in..... crops
a. Root b. Cole c. Legumes **d** Bulb
- 37. Fruit of amarathus is
a. Berry b. Drupe c. Achene **d** Uricle
- 38. Oxalates and nitrates cause..... & in human beings
a. Nigfht blindness & Beri beri b. Rickets & Sterility c. **Hyperoxalurea & Methamoglobinema**
- 39. Grain & leaf type amaranthus are..... and Pollinated
a. Often cross, often self **b** Cross, Self c. Often cross, Self
- 40. Emasculation is perfect only in amaranthus species
a. *A. spinogus* b. *A. hypochondriacus* **c** *A. hybridus* d. *A. tricolor* **a**
- 41. Palak readily crosses with beet roots, swiss chard and pig weed but not with.....
a. Amaranthus b. Methi **(c) Spinach** d. Tomato **c**
- 42. is cross between swiss chard and palak
a Jobner green b. Pusa Haarit **c** Pusa Palak d. Pusa Jyothi
- 43. Is called as poi
a. Rhuburb b. Asparagus c. Palak **d** Basella
- 44. Long day inhibited flowering in
a. Palak **b** Onion c. Carrot **(d) Basella** d
- 45. Seed rate of celery.....
a. 100g/ha **b** 150-250 g/ha c. 300g/ha d. 400-500g/ha **a**
- 46. Turnip rooted celery is botanically.....
a. *A. grveolens var secalinum* b. *A. graveolens var dulce* c. *A. graveolens var celeriac* **c**
- 47. Festival 6-8 is intergeneric cross between
(a) Parsley x celery b. Celery x parsley c. Parsley x Leek d. Carrot x celery **a**
- 48. Pappus are the index of seed maturity in.....
a. Celery b. Parsley c. Carrot **(d) Lettuce** d
- 49. Ben or behen oil is extracted from
a. Okra b. Bittergourd c. Lima bean **d** Drum stick d

Qualitative long day
→ give better yield
Qualitative → don't ju
Short day - variation

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50. Is called as multivitamin tree
a. Amaranthus b. Winged bean c. Chekurmanis d. Spinach
51. Perennial and annual drumsticks are propagated by..... and respectively
a. Limb cutting & seeds b. Suckers & Off shoots c. Cuttings & corms
52. The vegetable in which every part is edible
a. Dolichous bean b. IVY gourd c. Drumsticks d. Winged bean
53. Vegetable which is commercial source of levulose or insulin
a. Potato b. Sweet potato c. Arrow root d. Jerusalem artichoke d
54. Chromosome number of Jerusalem artichoke is
a. 34 b. 48 c. 68 d. 102 d
55. Ideal drying ratio in onion is
a. 10:1 b. 12:1 c. 9:1 d. 6:1
56. Triploid variety of onion is.....
a. Prima b. Severianin c. Pran d. Arka Kalyan c
57. Storage temperature for seed potato and processing potato is..... &
respectively
a. 3-4°C, 10-12°C b. 0°C, 8°C c. 0°C, 1°C d. 0°C, 0°C
58. Best storage temperature for storage of mother bulb in onion is.....
a. 2°C b. 3°C c. 0°C d. 12°C
59. Salinity tolerant variety of onion
a. Hisar-1 b. Hisar-2 c. Arka Kalyan d. Arka Niketan
60. & % of total production of onion and chilli respectively is exported from India
a. 5%, 4% b. 3%, 2% c. 30%, 20% d. 20%, 25%
61. Delayed application of Nitrogen/ top dressing leads to.... In garlic
a. Thick neck b. Premature sprouting c. Rubbering d. Rotting c
62. coloured garlic are more prone to branching and sprouting...
a. Purple b. White c. Yellow d. Pink a
63. seeded French bean are more prone to hypocotyls necrosis
a. White b. Coloured c. Red d. Yellow
64. Staminate and pistillate flowers are borne on the same leaf axils in the genus..... And
a. Cucumis, Cucurbita b. Luff, Lagenaria c. Citrullus, Cucumis d. Saechium, Luffa
65. Fruit peduncle is morphologically distinguishable characteristic in genus.....
a. Cucumis b. Cucurbita c. Sechium d. Luffa
66. Early and late cultivars of pea bear their first flower between and node respectively
a. 5-11, 13-15 b. 3-4, 10-11 c. 8-10, 15-16 d. 2-5, 7-8
67. cucurbit is called as green potato
a. Bitter gourd b. Bottle gourd c. Pointed gourd d. Cucumber c
68. Tomato and water melon are And fruits respectively
a. Climacteric, Non climacteric b. Berry, Drupe c. Solanacious, Cucurbitacious
69. enzyme converts the bitter principle cucurbitacin into non bitter principle
a. Hydrolase b. Cucurbitacinase c. Hydrocucumerse d. Elaterase d
70. Cucurbit with highest edible portion is.....
a. Snake gourd b. Tinda c. Bitter gourd d. Ash gourd
71. Economic sex ratio in cucurbits is...
a. 25:1 b. 30:1 c. 15:1 d. 2:1
72. Primitiver and advanced sex form in cucurbits are ... and respectively
a. Hermophrodite, Monoecious b. Monoecious, Dioecious
c. Androecious, Gynoecious d. Gynoecious, Trimonoecious
73. F₂ seeds are used in cucurbit
a. Winter squash b. Cucumber c. Watermelon d. Summer squash d
74. Triploid variety of cassava.....
a. Sree Harsha b. Sree Varsha c. Sree Nidhi d. Sree Prakash
75. Kalmegh is the variety of.....
a. Cassava b. Sweet potato c. Chilli d. Yams b
76. Mother corms are harvested and marketed in

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- 77. is a gynoeocious based hybrid of cucumber
a. Dasheen taro b. Eddoe taro c. Alocasia **b**
- 78. Pickling variety of cucumber will have coloured spines
a. Phule himangi b. Phule Shubhangi c. Phule Champa d. Pusa Uday **C**
- 79. Stem of greater yam twines to
a. Blue **b. White** c. Black d. Red **C**
- 80. Multiviral resistant cultivar of bottle gourd.....
a. Left b. Right c. Stright d. Round **b**
- 81. Cyst Nematode of Potato is problem in.....
a. Co-1 b. Arka Bahar c. Cow Leg D. Pusa Meghdoot **C**
- 82. Wart of potato is Sevier in.....
a. Northan hills b. Westren plains c. Southren hills d. Eastren hills **C**
- 83. Pickling and dehydration variety of bittergourd....
a. Hills of Karnataka b. Hills of T.N. c. Hills of A.P. d. Hills of West Bengla **d**
- 84. Arka Sheetal is the variety of
a. Arka Harit b. Arka Summet c. Pusa Vishesh **Arka utkarsha**
- 85. Cucurbit that remains dormant during winter and sprout in the next season is....
a. Snap melon **b. Long melon** c. Water melon d. Cucumber
- 86. River bed cultivation of potato is followed in.....
a. Ivy gourd **b. Pointed gour** c. Cucumber d. Karkol **b**
- 87. increases no. of large sized tubers in potato
a. Karnataka b. U.P. c. Bihar d. Gujarath **d**
- 88. increases no. of large sized tubers in potato
a. N b. P c. K d. Ca
- 89. increases weight of fruit in brinjal **flower age cv**
a. N b. P c. K **d. Zn**
- 90. Gherkins of higher quality can be obtained when harvested on.....
a. First day of anthesis b. Second day of anthesis
c. Third day of anthesis d. Fourth day of anthesis
- 91. The quality edible fruits in okra can be obtained when harvested on.... Days of pollination
a. 4-6th day b. 7-8th day c. 9-10th day **d. 11-12th day**
- 92. Red seeded cultivar of watermelon.....
a. Special No.1 b. Mateera c. Arka Madhura d. Katal Gaon **b**
- 93. Rainy season cultivar of watermelon.....
a. Special No-1 **b. Mateera** c. Arka Madhura d. Katal Gaon **a**
- 94. Rind colour of Sugar baby is.....
a. Bluish black b. Green c. Dark green d. Black **b**
- 95. YVMV resistant variety of okra
a. Pusa Sawani b. Parbhanini Kranti c. Pusa Makhmali D. **b**
- 96. Poi is prepared out of
a. Yams b. Pumpkin c. Taro d. Cassava **C**
- 97. Watermelon grafted on fusarium wilt resistant cultivar
a. Pusa bedana b. Arka Bahar c. Renshi **C**
- 98. is the major constituent of total acid in tomato
a. Mallic acid b. Succinic acid c. Lycopene **d. Citri acid**
- 99. Mutant tomato variety with green flesh...
a. S12 b. Co-1 **c. PKM-1** d. Pusa Lal Meeruti **C**
- 100. New botanical name of Lycopersicon hirsutum is....
a. *Solanum lycopersicon* b. *Solanum hirsutum* **c. Solanum tuberosum** d. *Solanum pennelli* **C**
- 101. 100 seed weight is called as.....
a. Seed Index b. Real value of seed c. Test weight d. Test weight
- 102. Harringtons thumb rule on seed viability in storage will not be applicable to.
a. Orthodox seeds b. Recalcitrant seeds d. c. Real seed
- 103. Chilli varity having yellow anther marker is....
a. G-4 b. G5 **c. Bhaskar** d. G1

Mahua - Maduca laifolia

R L NA
J H 12

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103. Capsaicin content of chillies vary between....
NA a. 0.2-0.5% b. 0.5-0.7% c. 0.7-0.9% d. 0.9-0.12% a
104. Fruit setting % in chilli ranges between
a. 30-40% b. 70-80% c. 60-70% d. 50-60%
105. Carrot is.....
a. Monoecious b. Androecious c. Andromonoecious d. Gynocoandrous
106. Phytophotodermatis is caused by.....
a. Carrot b. Parsnip c. Celery d. Parsley
107. Chemical responsible for phytophotodermatitis is.....
a. Caumarin b. Carrotol c. Appin d. Furanocaumarin
108. Tomato varity with erect fruits.....
a. Pant C-1 2. Pant C-2 3. Pusa Jwala d. Jwalamukhi
- X 109. Nation wide top priority in onion breeding is to develop Variety
a. Rabi b. Kharif c. Long day d. Short day b
110. Tetraploid variety of radish....
a. Sofia Delicioqus b. Semilong Red Giant c. Both a & b d. Pusa Chetki c
111. Strongest self incompatibility is present in....
a. Kale b. Cabbage c. Summer cauliflower d. Winter cauliflower
112. Pomato was developed by...
a. Welch and Grimbel b. F.C. Steward c. Melcher c
- X 113. species of okra is used as leafy vegetable also
a. *A. esculentus* b. *A. tuberculatus* c. A. pungens d. *A. manihot* d
114. Changes of leaf orientation with response of high temperature and drought in cowpea is termed as
a. Light trophy b. Drought trophy c. Both a and B D. Paraheliotrophy
115. Male to female planting ratio onion seed production is...
a. 4:1 b. 8:2 c. 9:2 d. Both a and b d
116. AmA-1 gene was transferred from amaranthus to potato by ...
a. Singh a k b. Chakraborty c. choudray d. Kattappa
117. Generally winter vegetables can be stored at.....
a. 5-6°C b. 7-8°C c. -1 to -2°C d. 0-2°C
- NA 118. Onion seedlings are transplanted after weeks
a. 3-4 b. 4-5 c. 5-6 d. 8-10 b
119. Leaf silvering is a physiological disorder of.....
a. Tomato b. Onion c. Summer squash d. Chilli
- NA 120. Unfruitfulness of pointed gourd can be solved by planting..... adjacent to pointed gourd
a. Bitter gourd b. Bottle gourd c. Snake gourd d. Both a and b a
- NA C 121. Bottle gourd and Bitter gourd pollens stimulate parthenocarpy in
a. Ridge gourd b. Sponge gourd c. Pointed gourd d. Watermelon
- NA 122. Sexafire and Manga varieties resistant to club root belonging to and crops respectively.
a. Broccoli and Cabbage b. Cauliflower and Cabbage
c. Brussel sprout and Cabbage d. Broccoli and Cabbage
- NA 123. Shallot produces bulbs-----
a. below soil surface b. above soil surface c. in place of inflorescence d. on stem
- X 124. Nation wide top priority in onion breeding is to develop Variety
a. Rabi b. Kharif c. Long day d. Short day b
- X 125. Positively photoblastic vegetable-----
a. onion b. carrot c. Endive d. lettuce R U NA
7 2 C

Monopodial:

Exalbuminous

Territorial Epiphytes,

vanilla - roots

vanda - propeg

Propeg:-

oil content - Rose

Carnation

Flower stage of harvest

Notes 1- daybills - goose nest stage

Rose - based on colour - time of harvest.

Anthurium :- flowers. maturity

Zerbera

Carnation

Orchid - flower open inflorescence

Jacmbe - oil content SE S.N oil pruning.

Pruning:-

Rose pruning - Bangalore, (2 times) -> grapes

L> 4.5 days before Independence day

4.5 days after Independence day

Oct - Nov pruning.

Rose propagation, N.I, S.I

Hills - pruning

Nov in

Rose

propagation

* wintering on rose, stunting, timing. (3-4 days

Rose - Kanchi - white
L> Tyre bouquet

each single fruit of preap
-> drupe

Sealium seeds mixed with -

* Rose water -> PHT

Collect oil - Rose oil - 0.02 - 0.05%

10% - 4 ions

pusa var - Eyladiolus

IIHR - Nishkant

100% - veg & flowers.

High elevation - Arabica

low - Robusta

Bombai -> Pick up night stage:-

Cocoa - Malvaceae

Pomegi - Lythraceae

38) Buying of Europe berries for raisin preparation artificially at temperature of 61-71°C

39) Botanically, Bitter almond is Prunus dulcis

Aneuploid
Euploid

40) Chromosome no. of Pusa Seijan is 24

partially

41) Parthenogenesis is seen in mango fruit crop.

42) Kagzi lime is an indicator plant for Trichovirus

43) Micropropagation was 1st standardised for Banana

44) Muttamvasika is a variety of Jack

45) A. muricata species of Annona is protandry

46) Breadfruit is used more as vegetable than a fruit

47) Removal of inflorescence produced during early life span in oil palm that practice is called as ablation

48) Rangapuri lime used as indicator plants against Exocortis disease

49) In Rose, stunting is a type of grafting in which the union of scion & rooting of rootstock takes place simultaneously.

50) Waxiness is maturity index of plum, peach fruit crop

II 2) Match the following.

grape - bloom

M.I

Light
powdery
mild

1) Avocado

a) starch iodine test (5) 7-2 57

2) Grape

b) Astringency (3)

3) Persimmon

c) Tapka stage (4) Crude

4) Mango

d) oil content (1)

5) Apple

e) waxiness (2)

2) 1) over ripe banana

a) Citral 3

2) Ripe Banana

b) Nootkatone 5

3) Lemon

c) Valencene 4

4) orange

d) Isopendanal 1

5) Grapefruit

e) Eugenol 2

34] 1) Hot water treatment (Stone fruit) - 2 marks

- 2) Vapour heat treatment
- 3) Smudging
- 4) Smoke treatment
- 5) Bottom heat technique

- a) For semi-hardwood cutting (Bourginville)
- b) Induce ripening (4)
- c) Minimizing damage of fruit fly (4)
- d) Induce early flowering (3)
- e) Minimizing fungal disease (3)

- 1) Makhana
- 2) Guince
- 3) Phalsa
- 4) Lasoda
- 5) Macadamia nut

- a) Tubiferae (4)
- b) Rosaceae (4)
- c) Proteaceae (5)
- d) Nympheaceae (1)
- e) Boraginaceae (4)

- 1) Mango sex ratio
- 2) Aonla sex ratio
- 3) Date palm sex ratio
- 4) Apple sex ratio
- 5) Papaya

- a) 1:20 (5)
- b) 33:67 (4)
- c) 3:100 (3)
- d) 1:307/1:137 (2)
- e) 1:36 (1)

- 1) Mango malformation
- 2) Spongy tissue
- 3) Internal Fruit Necrosis
- 4) Jelly seed
- 5) Blacktip

- a) Woodhouse (1909) (5)
- b) Santa Roma (1972) (3)
- c) (1891) Wats & Maow's (1)
- d) (1934) Cheema & Dhoni (2)

Sapbum - to a disorder of mango

- 1) Peach
- 2) Papaya
- 3) Citrus
- 4) Mango
- 5) Plum

- a) Kosterman & Bampard (4)
- b) Burbank (5)
- c) Babcock (5)
- d) Storey (2)
- e) Swingle & Tanaka (3)

- 1) Date palm a) $2n = 14$ (4)
- 2) Jamun b) $2n = 28$ (3)
- 3) Aonla c) $2n = 22$ (5)
- 4) Annona d) $2n = 36$ (1)
- 5) Karond e) $2n = 40$ (2)

- 1) Durian a) $2n = 30$ (2)
- 2) Litchi b) $2n = 18$ (4)
- 3) Loquat c) $2n = 6x = 90$ (5)
- 4) Passion fruit d) $2n = 34$ (3)
- 5) Persimon e) $2n = 56$ (1)

- 1) Bread fruit
- 2) Orange
- 3) Guince
- 4) Balauista
- 5) Nut

- a) Pomegranate (4)
- b) Sarcosis (1)
- c) Hesperidium (2)
- d) Litchi (5)
- e) Pome (3)

Date plum - Dlettus
karonda - brant