

## MOCK TEST

1. Most dangerous insect causing viral disease in potato is:

- a) Aphid                      b) Mite  
c) White Fly                 d) None

2. Highest no. of medicinal plants are belongs to which family?

- a) Solanaceae                b) Graminae  
c) Labiateae                 d) Asteraceae

3. Which part of Coriander is used?

- a) Leaves                      b) seed  
c) Both a & b                 d) Roots

3. Most popular salad crop is:

- a) Lettuce                      b) Celery  
c) Parsley                      d) None

4. For canning of Tomatoes, fruits are picked at which stage?

- a) Immature Green Stage    b) Mature Green Stage  
c) Half Ripe or Pink Stage   d) Red Ripe Stage

5. In Onion male sterile lines have been isolated from:

- a) Arka Kirtiman              b) Agrifound Dark Red  
c) Pusa Red                    d) None

6. Toxins substance present in Celery is:

- a) Apiin                        b) Oxalic Acid  
c) Saponin                     d) Serotonin

7. Which one is originated from India?

- a) Lima Bean                 b) French Bean  
e) Cow Pea                    d) Dolichos Bean

8. Which crop shows cleistogamy?

- a) Tomato - chasogamy      b) Brinjal  
c) Chilli                        d) Lettuce - cleistogamy

9. Favisim is allergy to humans due to pollens of:

- a) Dolichos Bean              b) Lima Bean  
c) Broad Bean                d) Cluster Bean

10. Propagation of Pointed Gourd is generally by:

- a) Seed                         b) Vine Cutting  
c) Root Cutting                d) Tuberos Roots

X  
11. Bitterness of Bitter Gourd is due to:  
a) Cucurbitacin  
c) Choline Estrase  
b) Momordicin  
d) None

✓  
12. Which is used mostly in pickle purpose?  
a) Cucumber  
c) F<sub>1</sub> Hybrid Cucumbers  
b) Gherkin  
d) None

✓  
13. Which one is sexually sterile diploid?  
a) Onion  
c) Garlic  
b) Leek  
d) None

✓  
14. Pusa Ruby is important cultivar of tomato is cross of:  
a) Improved Meeruti X Red Cloud  
b) Sioux X Improved Meeruti  
c) Pusa Red plum X Sioux  
d) Sioux X Roma

✓  
15. Most devastating disease of Potato is:  
a) Early Blight  
c) Scab  
b) Late Blight  
d) Soft Rot

N.A.  
16. Optimum temperature for Rose cultivation is :  
a) 15-20°C  
c) 10-15°C  
b) 25-30°C  
d) 30-35°C

✓  
17. Who started the tissue culture in Orchids?  
a) Morel  
c) Faya Singh  
b) Dr Abraham  
d) Chang

✓  
18. Negative geotropism is related to which flower?  
a) Orchids  
c) Chrysanthemum  
b) Rose  
d) Gladiolus

✓  
19. Which one is not a fragrant species of Jasmine?  
a) *sambac*  
c) *auriculatum*  
b) *grandiflorum*  
d) *humile*

X  
20. Swarn Rekha is a cultivar of Tuberose is released by:  
a) IHR  
c) IARI  
b) NBRI  
d) TNAU

✓  
21. Fairy ring spot in the lawn is due to:  
a) Fungus  
c) Bacteria  
b) Virus  
d) Algae

N.A.  
22. Which one is propagated by rhizome?  
a) Iris  
c) Liliium  
b) Canna  
d) both a and b

23. Which one is the most common rooting hormone?

- a) IBA    b) NAA  
c) BA    d) IAA

24. Japanese art of flower arrangement is based on which theme?

- a) Religious                                    b) Spiritual  
c) Social                                         d) Aesthetic

25. Bonsai is originated from:

- a) China                                         b) Japan  
c) Malaysia                                     d) Korea

26. Which annual plant is also known as burning bush?

- a) Kochia                                       b) Balsam  
c) Zinnia                                        d) Cock's comb

27. Basic chromosome no. of Rose is:

- a) 7    b) 8  
c) 9    d) 11

28. *Cassia fistula* bears flower of which colour?

- a) Red    b) Yellow  
c) Scarlet Orange                             d) Blue

*C. nodosa* pink

29. What is the Botanical name of fish Tail Palm?

- a) *Livingstonia rotundifolia*              b) *Caryota urens*  
c) *Habena thebachia*                         d) *Cycas revoluta*

30. Gladiolus belongs to which family?

- a) Asteracea                                    b) Rosaceae  
c) Amaryllidaceae                            d) Iridaceae

31. Benzoic acid is most effective against:

- a) Bacteria                                      b) Mould  
c) Yeast                                         d) All of above

32. Which vegetable is processed most?

- a) Potato                                        b) Cucumber  
c) Tomato                                        d) Chilli

33. Best degreening temperature is ....°c?

- a) 23     b) 27  
c) 25    d) 29

34. TSS of Jam is.....°Brix

- a) 65    b) 45  
c) 68    d) 60

35. Prevention of Food Adulteration Act was enacted in the year.....

- a) 1954
- b) 1974
- c) 1964
- d) 1955

N.A

36. Temperature of liquid nitrogen is for cryopreservation is.....

- a) -196°C
- b) -140°C
- c) -43°C
- d) -180°C

✓

-43 - CO<sub>2</sub>

37. Central Food Technological Research Institute is situated at:

- a) Mysore
- b) Calcutta
- c) Delhi
- d) Mumbai

✓

38. Which of the following is not an experimental material for Mendel

- a) Heiraceum - ~~agony the studies~~
- b) Phaseolus vulgaris
- c) Apis mellifera
- d) Pisum sativum

N.A

39. CO<sub>2</sub> concentration in green house cultivation of rose should be:

- a) 300 ppm
- b) 500 ppm
- c) 1000-3000 ppm
- d) more than 3000 ppm

✓

40. Salt of which element is detrimental to flower longevity?

- a) Cl
- b) F
- c) Al
- d) Na

N.A

Multiple allele - Makers land

Blood group - Landsteiner

Multiple factor hypothesis -

Mack - Hypocyrus

Which gene Mack → Epikurus.

Chilli → Placenta  
Seed  
Pericarp

Indian pickle - Mango

national pickle - lemon

Cucumber - no 1 world pickle

ple

where seed/fruit not economical - use CMS

Synthetic 4

Arka Abhlu

Synthetic 6

Name : Hareesh . A .

Total Score:

1. Total production of horticulture crops in India as per the estimates, 2015-16 is  
 a. 263MT                      c. 283MT  
 b. 273 MT                     d. 293MT
2. Major pest of Brinjal is.....  
 a. Heliothis armigera  
 b. Leucinodes arbonalis  
 c. Maruca testulalis  
 d. Bactrocera dorsalis
3. Cracking in tomato is due to the deficiency of.....  
 a. Calcium                      c. Molybdenum  
 b. Boron                        d. Zinc
4. Seedless variety of mango is.....  
 a. Olour                         c. Kurukkan  
 b. Sindhu                        d. Mulgoa
5. Pusa Arpita variety of Marigold is.....  
 a. African type                c. Red and Gold hybrid  
 b. French type                d. none
- d) 6. Short day cucurbit is.....  
 a. Bitter gourd                c. bottle gourd  
 b. chow chow                 d. ridge gourd
7. Watermelon bud necrosis is transmitted by...  
 a. Aphids                        c. Mites  
 b. Thrips                        d. White fly
8. Bunch weight of Banana can be increased by the application of .....  
 a. 2,4-D                         c. KH<sub>2</sub>PO<sub>4</sub>  
 b. NAA                          d. CCC
9. Stenting is practiced in.....  
 a. Rose                            c. carnation  
 b. chrysanthemum            d. antirrhinum
10. GM crop which covers highest area under transgenic crops cultivation is.....  
 a. Tomato                        c. cotton  
 b. Brinjal                         d. Soybean
11. A virus-free clone from a virus infected plant can be obtained by  
 a. leaf culture                    c. Stem culture  
 b. Axenic culture                d. Meristem tip culture
12. Standard dwarfing rootstock of Pear is...  
 a. Old Home                    c. Bartlett  
 b. Quince                        d. Beurre hardy
13. The term 'Heterosis' was coined by  
 a. G.H. Shull                    c. T.H. Morgan  
 b. W. Bateson                    d. E.M. East
- ✓ 14. The highest per capita consumption of cut flowers in the world is in  
 a. The USA                      c. Switzerland  
 b. India                          d. The Netherlands
15. Gametic chromosome number of apple is.....  
 a. 51                              c. 17  
 b. 16                                d. 34
16. Botanical name of arid fruit crop 'Khejn' is.....  
 a. Capparis decidua            c. Aegle marmelos  
 b. Ceratonia siliqua            d. Prosopis cineraria
- ✓ 17. Peculiar branching pattern of karonda is..  
 a. Sylleptic                      c. Phyllanthous  
 b. Dichotomous                d. None
18. Fruit preservation and canning institute is situated at.....  
 a. Lucknow                      c. Mysore  
 b. Anand                         d. Bombay
19. Pigment responsible for Apple color is.....  
 a. Carotenoids                    c. Anthocyanins  
 b. Chlorophyll                    d. Betalains
20. Tomato Variety which is developed using Male sterile line for F1 Hybrid seed production is.....  
 a. Pusa Gaurav                    c. Pusa Sheethal  
 b. Pusa Divya                    d. Pusa Bahar
21. Clonal rootstocks of Apple are usually multiplied by.....  
 a. Air layering                    c. Trench layering  
 b. Stooling                        d. Compound layering
22. Cultivated Strawberries are.....  
 a. Hexaploids                    c. Tetraploids  
 b. Diploids                        d. Octaploids
- ✓ 23. Minimum isolation distance for Certified seed-Production of Tomato is.....  
 a. 200meters                      c. 50meters  
 b. 100meters                      d. 25meters

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24. C4 plant among the following is.....  
 a. Potato  
b. Amaranthus  
 c. Spinach  
 d. Onion
25. Edible part of Knol Khol is.....  
 a. Leafy stalks                      c. Head  
b. Knobs                                  d. Tuber
26. How many Agri-ecological zones are covered flower crops.....  
 a. 2    c. 6  
 b. 4    d. 8
27. *Prunus behmi* is popular rootstock is a natural hybrid between.....  
 a. Pear x almond                      c. Pear x Plum  
b. almond x Peach                      d. Pear x Peach
28. Present total postharvest loss of Horticulture crops is ranges between .....  
a. 10-20                                      c. 40-60  
 b. 20-40                                      d. 60-80
29. Highly shade tolerant fruit crop is....  
 a. Bael                                      c. Ber  
 b. Mangosteen                          d. Carambola
30. Edible Banana's are.....  
 a. Vegetatively apomictic  
b. Vegetatively parthenocarpic  
 c. Vegetatively parthenogenetic  
 d. None
31. Stable Sex form in case of Papaya is .....  
 a. Staminate                              c. Pistillate  
 b. Hermaphrodite                          d. None
32. Recently matured leaf with maximum physiological activity in pineapple is.....  
 a. A-leaf                                      c. C-leaf  
 b. B-leaf                                      d. D-leaf
33. Rootstock which can be used for *Sapota* is  
 a. *Manilkara hexandra* (Khirmi)  
 b. *Chrysophyllum cainito* (star apple)  
 c. *Madhuca latifolia*  
d. All of these
34. Avocado belongs to family.....  
 a. Sapotaceae                              c. Lauraceae  
 b. Sterculiaceae                              d. Oxalidaceae
35. Gibberellic acid is not effective in.....  
 a. Overcoming dormancy  
 b. Inducing early flowering  
 c. Increasing fruit set  
d. Increasing rooting in cuttings
36. Pre-harvest fruit drop in Citrus can be controlled by Spray of .....  
 a. Cycocel-100ppm                      c. 2,4-D 20ppm  
 b. NAA-50ppm                              d. 2,4,5-T 100ppm
37. In Prophase, Pairing of homologous chromosomes occurs during...  
 a. Zygotene                                      c. Pachytene  
b. Diplotene                                      d. Diakinesis
38. Composition of Bordeaux Mixture is.....  
a.  $CuSO_4 + Ca(OH)_2 + H_2O$   
 b.  $CuSO_4 + Na_2CO_3 + H_2O$   
 c.  $CuCO_3 + PbO +$  Linseed oil  
 d.  $CuSO_4 + Na(OH)_2 + H_2O$
39. Grape hybrid developed by Dr. H P Olmo at University of California, USA is..  
 a. Dogridge                                      c. Thompson seedless  
 b. Beauty seedless                          d. Perlette
40. Rich source of Tocopherol (Vit-E) is.....  
 a. Onion    c. Sweet Corn  
 b. Sweet potato                              d. Cassava
41. Nishkant is a rootstock of Rose from IIHR belongs to spp .....  
 a. *Rosa chinensis*                              c. *Rosa canina*  
b. *Rosa multiflora*                              d. *Rosa rugosa*
42. Triage (Broken bits) is a grade of....  
 a. Tea    c. Coffee  
 b. Arecanut                                      d. Cocoa

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43. Daily requirement of Proteins in our daily diet should be ...  
 a. 20-30g                      c. 60-70g  
 b. 40-50g                      d. 80-90g
44. Bitter gourd variety suitable for protected cultivation  
 a. pusa Aushadi  
 b. pusa Purvi  
c. pusa Rasadar  
 d. pusa vishesh
45. Tomato introduced to India in .....  
 a. 1932                      c. 1822  
 b. 1584                      d. 1828
46. Afila mutant is related to.....  
 a. French bean              c. Cow pea  
b. Pea                      d. Broad bean
47. Chromosome no of Teasle gourd .....  
 a. 22                      c. 28  
 b. 24                      d. 56
48. major sugar in radish and carrot respectively  
 a. glucose & sucrose  
 b. glucose & mannose  
 c. fructose & sucrose  
 d. fructose & glucose
49. Vegetable suited to microgreen production is....  
 a. amranthus              c. radish  
 b. lettuce                      d. all of these
50. kashi kanchan most popular var of....  
 a. Pea                      c. cow pea  
 b. French bean              d. tomato
51. Tomato Leaf Curl Virus is caused by virus  
a. begomo                      c. tospo  
 b. crini                      d. cucumo
52. Largest family of among vegetables is  
a. cucurbitaceae  
 b. solanaceae  
 c. leguminaceae  
 d. Euphorbiaceae
53. S.N of Sword bean  
a. Canavalia gladiata      c. *Canavalia pedata*  
 b. *Phaseolus polystachys*      d. *Vigna cylindrica*
54. Gynoecy is present in.....  
 a. musk melon  
 b. bitter gourd  
 c. cucumber  
d. all
55. Buffalo gourd belongs to genus .....  
 a. Luffa                      c. Lagenaria  
b. Cucurbita                      d. Momordica
56. Which one of the following is a diploid...  
 a. cassava                      c. teasle gourd  
 b. rhubarb                      d. meeta karela
57. Minimum juice content in mandarins at the time of maturity is....  
 a. 25%  
 b. 30%  
c. 33%  
 d. 35%
58. Banana variety which has high pulp content is.....  
 a. Poovan                      c. Sugandhi  
 b. Nendran                      d. Rajpuri
59. Fruits which have very high ethylene production rate at 20 degree Celsius are.....  
 a. Citrus and Grape  
 b. Banana and Mango  
 c. Apple and Papaya  
d. Sapota and Passion fruit
60. Enzymes involved while softening of fruit tissues i.e  
 Protopectin A, Pectinic acid B, Pectic cid  
 a. A-Pectinase, B - Protopectinase  
 b. A-Protopectinase, B - Polygalactourinase  
 c. A-Protopectinase, B - PME  
 d. A- Polygalactourinase, B - PME
61. Oleocellosis in lime and lemons is due to mechanical damage of oil cells located in ....  
 a. Albedo                      c. Flavedo  
 b. Arils                      d. Seeds

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62. Choose incorrect grade in following crops..

- a. Brussel sprouts- Blowers
- b. Apple - Janata
- c. Cinnamon- Quills
- d. Vanilla- Dust

63. Precooling method used for Leafy vegetables is .....

- a. Hydrocooling
- b. Forced Air cooling
- c. Vaccum cooling
- d. Air cooling

64. Choose incorrect match .....

- a. ICARDA-Aleppo, Syria
- b. IIMR -Ludhiana
- c. DFR-Pune
- d. NBAIR- Bangalore

d) 65. Chemical ingredient present in Grape guard is. ....

- a. Potassium meta bisulphite
- b. Anhydrous sodium bisulphite
- c. Anhydrous ammonium bisulphite
- d. Anhydrous Potassium meta bisulphite

66. Tree which is used as Symbol of Bharata Ratna Award is

- a. Ficus religiosa
- b. Ficus bengaliensis
- c. Lagerstroemia indica
- d. Tabebuia rosea

67. Choose incorrect precursor....

- a. Auxins-Tryptophan
- b. GA<sub>3</sub> - Kaurene
- c. Cytokinin- AMP
- d. ABA – Acetyl CoA

68. 'Dogridge' rootstock of Grape is commercially propagated by.....

- a. Softwood cuttings
- b. Semihardwood cuttings
- c. Hardwood cuttings
- d. Mallet Cuttings

69. Chicken tongue is a disorder of .....

- a. Grape
- b. Apple
- c. Litchi
- d. Bael

70. Cincturing is removal of strip of bark around tree trunk is done in.....

- a. Loquat
- b. Durian
- c. Ber
- d. Persimmon

71. Headquarters of ISTA( International Seed Testing Association) is located at.....

- a. USA
- b. Philippines
- c. Switzerland
- d. Belgium

72. Self incompatibility was first reported by Koelreuter in 18<sup>th</sup> century in crop.....

- a. Silene vulgaris
- b. Crepis foetida
- c. Verbascum phoeniceum
- d. Parthenium hysterophorum

73. Application of following fertilizer in excess leads to Fluoride injury in Gladiolus.....

- a. MOP
- b. Urea
- c. SSP
- d. SOP

74. Arka Uday is a Hybrid of...

- a. Mango
- b. Banana
- c. Papaya — pura uday - Cembong
- d. Fig

75. Annual Fruit crop among the following is...

- a. Star gooseberry
- b. Chinese gooseberry
- c. Indian gooseberry
- d. Cape gooseberry

76. Kiwifruit harvested at TSS of.....

- a. 4.2
- b. 6.2
- c. 5.2
- d. 7.2

77. Choose the incorrect match....

- a. PDSD- Avocado
- b. Heterodichogamy- Pecanut
- c. Duodichogamy - Pistachionut
- d. Protandry- Soursop

78. Which of the fruit crop follows single sigmoid growth curve...

- a. Mango
- b. Apple
- c. Citrus
- d. All of the above

d) 79. Progenitor of cultivated apple is .....

- a. Mallus baccata
- b. Mallus sylvestris
- c. Mallus sieversii
- d. Mallus sieboldii



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80. Peas and Beans are rich in.....

- a. Vit-E
- b. Vit-A
- c. Vit- B
- d. Vit-C

81. Major mineral elements obtained from vegetables are

- a. Ca, Fe & K
- b. Ca, Fe & P
- c. Ca, Mg & Zn
- d. Ca, Fe & Zn

82. Citrus fruit which is rich in Mallic acid is.....

- a. Sweet orange
- b. Sour orange
- c. Sweet lime
- d. Pummelo

83. First scab resistant variety of apple in world is

- a. Prescilla
- b. Freedom
- c. Surprise
- d. Prima

84. Caprification phenomena is not required for fruit set in following fig .....

- a. Smyrna fig
- b. Capri fig
- c. Adriatic fig
- d. Sanpedro fig

85. Anticancerous property in *Alliums* is due to

- a. Allicin
- b. allin
- c. Quercitin
- d. Carotene

86. Growth regulator used in Tomato to increase fruit set under adverse climate is.....

- a. CCC
- b. 2,4-D
- c. NAA
- d. PCPA

87. Highest fruit set in Brinjal is observed in..... flowers.

- a. Medium styled
- b. Long styled
- c. Short styled
- d. both a & c

88. The fruiting branches in blackpepper are called as.....

- a. Orthotropes
- b. Geotropes
- c. Plagiotropes
- d. Runners

89. Large cardamom is commercially propagated through.....

- a. Seeds
- b. Suckers
- c. Offshoots
- d. Rhizome bits

90. Sex form of Nutmeg is.....

- a. Monoecious
- b. hermaphrodite
- c. Dioecious
- d. Gynodioecious

91. Bicolored variety of Brinjal is.....

- a. Manjarigota
- b. Vaishali
- c. Pragati
- d. Both a and b

92. Unitless measure of dispersion is .....

- a. Standard deviation
- b. Range
- c. Mean deviation
- d. Coefficient of variation C-6

93. Extreme pungent species of Capsicum is.....

- a. Capsicum buccatum
- b. Capsicum pubescens
- c. Capsicum annum
- d. Capsicum frutescens

94. Fruit of Brassica species are botanically called as...

- a. Berry
- b. Drupe
- c. Silique
- d. Glomerule

95. Hollow stem in cauliflower is due to deficiency of.....

- a. Calcium
- b. Magnesium
- c. Boron
- d. Molybdenum

Excessive  $N_2$

96. Black leg and Club root diseases of crucifers are more prevalent in soil..

- a. Saline and alkaline
- b. Saline and acidic
- c. Neutral and Saline
- d. Acidic and saline

Soil - alkaline, Dichloro-acetic

97. Asperagus belongs to family.....

- a. Alliaceae
- b. Liliaceae
- c. Umbelliferae
- d. None

98. Edible part of *All spice* is .....

- a. Dried matured fruits
- b. Dried immature fruits
- c. Dried ripened fruits
- d. All

99. Ajmalicine from Periwinkle is extracted from.....

- a. Leaves
- b. roots
- c. flowers
- d. all

100. Inflorescence of Brussels sprout is ....

- a. Cymose
- b. Racemose
- b. Umbel
- d. Spike

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101. Rhubarb is Propagated by.....

- a. seeds
- b. suckers
- c. Tubers
- d. Division of crowns

102. Alkaloid 'Murrayin' is extracted from

- a. leaves of Curryleaf
- b. Flowers of Curryleaf
- c. Roots of curryleaf
- d. Bark of Curryleaf

d) 103. Foxy flavor of Grape is due to.....

- a. Methyl anthranilate
- b. Ethyl anthranilate
- c. Methyl salicylate
- d. Ethyl salicylate

104. Centre of origin of Davana is.....

- a. China
- b. South America
- c. South Africa
- d. India

105. Hot set variety of Radish is .....

- a. Pusa desi
- b. Pusa chetki
- c. Pusa reshmi
- d. Arka nishant

106. Perennial onion is commonly called...

- a. Chive
- b. Leek
- c. Shallot
- d. Rakkayo

107. Best fixative oil among following is.....

- a. Davana oil
- b. Lavender oil
- c. Patchouli oil
- d. Mint oil

108. Gynoecious lines in cucumber is maintained by spraying with.....

- a. GA<sub>3</sub>
- b. STS
- c. AgNO<sub>3</sub>
- d. All

109. Flower color of Sponge gourd is.....

- a. Lemon yellow
- b. Orange yellow
- c. Deep yellow
- d. White

110. Which of the Boards does not function under Ministry of commerce and industries...

- a. Rubber board
- b. CDB
- c. Spice board
- d. Coffee board

111. Inflorescence of Cashew is.....

- a. Gynomoecious
- b. Androemoneocious
- c. Polygamomonieciuous
- d. Gynodioeciuous

112. Crop which can grown like Rice in marshy conditions.....

- a. Vetiver
- b. Ocimum
- c. Acorus
- d. Mango ginger

113. Stem gall cause significant damage to .....

- a. Fenugreek
- b. Cumin
- c. Coriander
- d. Ajowain

114. The main constituent of Cinnamon leaf oil

- a. Cinnamaldehyde
- b. Eugenol
- c. 1,8-cineol
- d. geraniol

115. *Tamarindus indica* is originated from...

- a. Indo-Burma
- b. Tropical Africa
- c. South East Asia
- d. India

116. Forestero type cocoa produces.....color pods

- a. Green
- b. Yellow
- c. Purple
- d. Dark red

117. The arecanut product kalipak is produced from..

- a. Immature green nuts
- b. Ripened nuts
- c. Matured green nuts
- d. all

118. Nobel Prize 2015 for the field of Medicine given to YouYou Tu from China for discovering principle against Malaria which is extracted from...

- a. *Ocimum sanctum*
- b. *Abelmoschus moschatus*
- c. *Artemisia annua*
- d. *Rosemaris officinalis*

119. Which type of Tapping system in Rubber favours Brown blast disease .....

- a. ~~S<sub>2</sub>D<sub>1</sub>~~
- b. S<sub>2</sub>D<sub>3</sub>
- c. S<sub>2</sub>D<sub>2</sub>
- d. S<sub>2</sub>D<sub>0</sub>

120. Pusa mehak is a fragrant variety of .....

- a. Rose
- b. Tuberosa
- c. Jasmine
- d. Carnation

121. In carnation, Pinching is done at which node..

- a. 4<sup>th</sup> node
- b. 5<sup>th</sup> node
- c. 6<sup>th</sup> node
- d. 7<sup>th</sup> node

122. Cucumber Mosaic Virus is Transmitted through .....

- a. Seeds
- b. Aphids
- c. Both a and b
- d. White flies

MOCK TEST 2016 : HORTICULTURE

123. Disease which affect seed crop in crucifers is....

- a. Black rot                      c. Sclerotinia Stalk rot  
 b. Black leg                      d. White rust

124. Irish famine 1843 in Europe is related with

- a. Brown spot of Rice  
b. Lateblight of Potato  
 c. Rust of wheat  
 d. Downy mildew of grape

125. Sanjose scale is introduced from.....

- a. England                      c. France  
 b. USA                              d. Italy

126. Total Agriculture crops covered under NFSM-2007 .....

- a. 7                                  c. 9  
 b. 8                                  d. 10

127. System of Rice Intensification first introduced in state of India.....

- a. Karnataka                      c. Kerala  
b. Tamilnadu                      d. Westbengal

128. Dormancy of Rose seeds are broken by.....

- a. Scarification                      c. Hot water treatment  
b. Cold Stratification              d. Acid treatment

129. Arka Flame and Arka Manorama are varieties of.....

- a. Gerbera and Tuberose  
b. Carnation and Gladiolus  
 c. Carnation and Gerbera  
 d. Gladiolus and Carnation

130. Rootstocks of Rose suitable for Open and Greenhouse cultivation are.....

- a. *Rosa indica* var. *odorata* & *Rosa multiflora*  
b. *Rosa multiflora* & *Rosa indica* var. *odorata*  
 c. *Rosa canina* & *Rosa bourboniana*  
 d. *Rosa manetti* & *Rosa bourboniana*

131. Element responsible for Auxin synthesis and Disease resistance in plants

- a. K & P                              c. Ca & K  
b. Zn & K                              d. Mn & Si

132. Swarn Rekha is a cultivar of Tuberose is released by.....

- a. IIHR                                  c. NBRI  
 b. IARI                                  d. TNAU

133. Pensil strip and Stem cracking are disorders of.....

- a. Lettuce                              c. Amaranthus  
b. Celery                              d. Spinach

134. East Malling Long Ashton series of apple rootstocks are resistant to.....

- a. Phytoplasma                      c. Virus  
 b. Bacteria                              d. Fungus

135. Storage temperature for Anthurium and Banana is..... degree Celsius.

- a. 11  
 b. 12  
c. 13  
 d. 14

136. Concept of Cottage garden propounded by

- a. G. Jekyll                              c. William Robinson  
 b. Edwin lutyn                              d. Lanceolot Hogben

137. label color on Insecticide which indicates Highly toxic is.....

- a. Green  
 b. Blue  
c. Yellow  
 d. Red

138. Dicotyledonous bulb among the following is.....

- a. Liatris                                  c. Gladiolus  
b. Oxalis                                  d. Tuberose

139. Bougainvillea variety which is patented as Krishna in Australia is.....

- a. Mary Palmer  
 b. Dr. B P Pal  
c. Dr. H B Singh  
 d. Dr. Shubra

140. PPV & FR Act is Passed in the year

- a. 2000                                  c. 2002  
b. 2001 Act                                  d. 2003 — Rule

141. Which color is most used for 'tinting' ...

- a. White                                  c. Red  
b. Yellow                                  d. Blue — first ch

142. Highly Shade tolerant turf grass is....

- a. *Poa annua*  
 b. *Zoysia japonica*  
c. *Stenotaphrum secundatum*  
 d. *Buchloe dactyloides*

MOCK TEST 2016 : HORTICULTURE

143. Organic synthetic fertilizer among the following is.....

- a. Urea
- b. MOP
- c. SSP
- d. DAP

144. Which of the following elements is immobile in plant.....

- a. Zn & Mo
- b. Ca & B

c. Al & Fe

d. P & K & N - soil mobile

P - Zn - soil immobile

S, Zn, P - pts mobile

Ca & B - pts immobile

145. Mean and Variance are equal in.... distribution.

a. Normal  $M < V$

c. Binomial

b. Poisson

d. t- distribution

146. Present Director General of ICAR cum Secretary DARE, GOI is.....

- a. Dr. S. Ayyappan
- b. Dr. T. Mohapatra
- c. Dr. H S Gupta
- d. Dr. N K Krishnakumar

147. Carotenoids can be extracted from.....

- a. Marigold
- b. Calendula
- c. Both a & b
- d. None

148. Present cropping intensity (%) in India is...

- a. 108
- b. 118
- c. 128
- d. 138

149. Spoilage of canned fruits is caused by.....

- a. *Aspergillus flavus*
- b. *Bacillus thuringiensis*
- c. *Aspergillus niger*
- d. *Byssosclamyces fulva*

150. Ratio of Polyethylene: Aluminium foil: Paper in Tetrapack is.....

- a. 4:1:1
- b. 3:2:1
- c. 1:1:4
- d. 2:2:2

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MATCH THE FOLLOWING

1.

1	Frenching in Citrus	a	Convective heat
2	Bitter pit of Apple	b	Excess N & K
3	Fruit necrosis in Aonla	c	B
4	Spongy tissue	d	Ca
5	Calyx cavity in Persimmon	e	Zn

2.

1	Glycolysis	a	Plastids
2	Kreb cycle	b	Cytoplasm
3	Protein synthesis	c	Mitochondria
4	Photosynthesis	d	Ribosome
5	DNA	e	Nucleus

3.

1	Leaf hopper	a	Cucurbits
2	DBM	b	Sweet Potato
3	Red pumpkin beetle	c	Cabbage
4	Weevil	d	Onion
5	Stem & bulb nematode	e	Okra

4.

1	Little Leaf	a	Chilli
2	Anthraxnose	b	Brinjal
3	White rust	c	Peas & Beans
4	Ascochyta blight	d	Onion
5	Yellow dwarf	e	Crucifers

5.

1	Goodness of fit	a	t- test
2	Sample size >30	b	Normal distribution
3	Sample size <30	c	Coefficient of Variation
4	Mean=median=mode	d	Chi square
5	Percentage	e	Z-test

6.

1	Breeder seeds	a	Opal green
2	Foundation seeds	b	Purple
3	Registered seeds	c	Azure blue
4	Certified seeds	d	white
5	Truthfully labeled seeds	e	Golden yellow

7.

1	Datepalm	a	Root cuttings
2	Horse radish	b	Corm
3	Orchids	c	offshoots
4	Gladiolus	d	Sword suckers
5	Banana	e	Tissue culture

8.

1	CIMMYT	a	Banana
2	CISH	b	Ashwaganda
3	MARDI	c	Wheat
4	CIMAP	d	Pineapple
5	INIBAP	e	Mango

9.

1	Flouride injury	a	Gerbera
2	Calyx splitting	b	Rosa
3	Bent neck	c	Gladiolus
4	Postharvest stem break	d	Chrysanthemum
5	Crown bud	e	Carnation

10.

1	Vit- C	a	Sweet corn
2	Thiamine	b	Carrot
3	Riboflavin	c	Cashewnut
4	Vit- E	d	Aonla
5	Vit-A	e	Bael

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EVALUATION

MCQ PART 1					MCQ PART 2			
A	No. of correct answers		X 04	=	No. of correct answers		X01	=
B	No. of wrong answers		X01	=	No. of wrong answers		X0.2	=
Total PART 1 ( A-B)				=	Total PART 2 ( A-B)			=
Grand Total (PART 1 + 2) =								