

ICAR-JRF TEST PAPER
(HORTICULTURE)

1. PPVFR Act effective from a)2000 b)2001 c)2002 d)2003
2. Leaf pruning is an important operation in a)Carabola b)Datepalm c)Phalsa d)Both band c
3. Hypobaric storage is mainly is used for a)Cut-flower b)Leafy vegetable c)Fruits d)All of these
4. Zinc is essential for....a)GA synthesis b)auxin synthesis c)Ethrel synthesis d) None of these
5. Bonsai is originated in China but popularised by a)Indians b)Korians c)Chinese d) Japanese
6. Thin strands present around cytoplasm are a)Plasmadesmata b)Plasmlemma c)Sclerenchyma d)None
7. D-Leaf is used for sampling in. a)Apple b)Custardapple c)Pineapple d)Cashewnut
8. The basic chromosome number of rose is a)6,b)7 c)8 d)9
9. Carbaryl belongs togroup of pesticides. a) Carbamate b)Pyrethroids c)Organophosphate d) None
10. Pre-emergent herbicide is a)Fluchloralin b) Pendimethalin. c)Praquat d) Both a and b
11. Genomic classification of banana was given by a) Simmonds and Shepherd b) Swingle&Tanaka c) de Candolle d)None
12. Open centre system of training is followed in. a)Apple b) Peach c)Plum d)Pear
13. Citrus root stock resistant to greening a) Flying Dragon b)Adajamir c)Tyloxy Citraue d)all of these
14. The chemical component of safedmusli is a)Fernesol b)Chavicol c) Saponin d)sterol
15. Haploid plants are obtained by...culture a)Anther b)Bulbosum method c)Both of a&b d)Embryo rescue
16. Cassia fistula is also called as or a) Indian Laburnum b) Golden Shower c)Both d)None of these
17. Browning in cauliflower is due todeficiency. a) Boron b)Ca c)Berium d)All of these
18. Tea is harvested at.... stage a) two leaves and single bud b) Single leaf and single bud c)Both d)none
19. The edible part of Asparagus is a)Leaves b)Bulb c) Spears d)Head
20. Little leaf in brinjal is due to a) MLO b)Viroid c)Virus d)Bacteria
21. India receives maximum rainfall from.... Monsoon a) South-West b) South-East c) North-West d)All
22. *Globodera pallida* is golden cyst nematode of a) Potato b)Onion c)Brinjal d)All of these
23. Most appropriate method harvesting pea for processing a)Visual b)Sound c) Heat units d)Tendrometer
24. Agar-agar is extracted from a) Red Algae b)Sea cucumber c)Jelly fish d)All of these
25. Crop does not require nursery technique. a)Chilli b)Brinjal c)Onion d) Okra
26. In Tea colour is increased due to a)Fermentation b)Roasting c)Scuffing d)Patial fermentation
27. Basic process important for vegetative propagation is a)Meiosis b) Mitosis c) pinocytosis d)none
28. Which is not having enzymes, a)Virus b)Bacteria c)Fungi d)Algae
29. The variation for field experiments should be a) 10-20% b)20-25% c)25-30% d)30-40%
30. Which of the following is three way cross hybrid a) ~~AXBXC~~ b) (AXB) c) (AXB)XC d) none
31. Which is do not disturb Hardy-weinberg equilibrium? a)Random drift b) Mutation c) Migration d) all
32. Papain quality in papaya is based on content a)cystine b)Methionine c)Thimine d)Arginine
33. The fruit crop which has greater biodiversity in India a)Peach b)Apricot c)Olive d)Kiwi
34. Indian organization have the role in international education system- a)DARE b)ICAR c)NIAM d)none
35. Bougainvillea belongs to family a)Nictaginaceae b)Cannabenaceae c)Ebenaceae d)Guttiferae
36. Bael belongs to family a) Ebenaceae b)Rubiaceae c) Rutaceae d)Guttiferae
37. Summer pruning is practiced in a)Apple b)Cherry c)Peach d)Citrus
38. Mangosteen family a) Anacadiaceae b)Rubiaceae c) Rutaceae d)Guttiferae
39. Pusa Majesty &Pusa Delicious are a)Monoecious b)dioecious c)Gynomonedioecious d)Gynodioecious
40. Spacing followe in mango HDP is a)3.5 x 4.5 m b)2.5 x 3.5 m c)2.5 x 2.5 m d)1.5 x 2.0 m
41. Amrit Sagar is a var of..... a)Banana b)Mango c)Apple d)Custard apple
42. Mango var. resistant ro Malformation a)Appimidi b)Illlachi c)Bombay Green d)dashehari
43. Ornithophilous fruit crop a)Banana b)Pineapple c)Jackfruit d)Sapota
44. Transgenic papaya var a)Rainbow b)Sun up c)both of these d)Only a
45. Ber budding time a) July-August b) Sept-Oct c) May-June d)Jan-Feb
46. During VHT, the temperature attained by mango fruit pulp is .a) 43°C b)47.5°C c)50°C d)55°C

walnut → 2nd tran crop

oil palm → Dindonka
cristal fertility testing lab, virus det. lab → JAK3

47. Pre harvest drop in fruits is controlled by a) GA b) BA c) 2, 4, 5-T d) Brasinosteroides
48. Auxin precursor is a) Tryptophan b) Methionine c) Thymine d) Malvanic acid
49. Transgraft has a) Transgenic rootstock b) Transgenic scion c) Both are transgenic d) all of these
50. The nutrient not amenable to supply through drip irrigation a) N b) P c) K d) Boron
51. The raising problem in protected cultivation is a) Nematodes b) Fruit fly c) White flies d) None of these
52. Molecular marker used for Gene mapping is a) RAPD b) SSR c) ISSR d) CAPS
53. Dry neck is a disorder in a) Carambola b) Cherry c) Avocado d) All of these
54. The crop most suitable for protected cultivation is a) Papaya b) Strawberry c) Cherry d) Both a&b
55. Ca deficiency is observed in a) Top leaves b) Bottom leaves c) Middle leaves d) All of these
56. The cultivar of grape whose genome is sequenced is a) Pinot Noir b) Beau Noir c) Cep Gris d) All
57. Deciduous citrus spp a) Flying Dragon b) Adajamir c) Tyloer Citrange d) Trifoliate Orange
58. Fruit dormancy is observed in a) Aonla b) Papaya c) Mango d) All of these
59. Triple sigmoid growth curve Kiwi fruit but Apple..... sigmoid growth curve a) Single b) Double c) Triple
60. Highest vitamin C content a) Barbados Cherry b) West Indian Cherry c) Temperate cherry d) Both b&c
61. Highest production of coconut a) Philippines b) Indonesia c) Malaysia d) India
62. In rubber, the latex flow can be increased by spraying with a) IAA b) GA3 c) Ethylene d) Auxin gp
63. Coffee origin a) Ethiopia b) Iran c) Iraq d) Siberia
64. Fruit juices are dried using a) tray drier b) Cabinet dryer c) Drum drier d) none
65. Post harvest losses in India a) 10-15% b) 15-20% c) 25-30% d) 40-45%
66. Ethylene absorber a) KCL b) KI c) KMnO4 d) All of the above
67. Tangelo is cross between a) *C. paradisi* x *C. reticulata* b) *C. reticulata* x *C. paradisi* c) None of the above
68. Kinnow is..... hybrid a) Inter-specific b) Inter generic c) Intra-specific d) Intra-generic
69. Thickness of black mulch used in mulching a) 100 guage b) 150 guage c) 400 guage d) 200 guage
70. Most widely used rootstock of apple all over the world is a) M-9 b) M-7 c) M-27 d) M-13
71. EMLA series of rootstock are resistant to a) Bacteria b) Virus c) Fungus d) Woolly apple aphids
72. MM series are resistant to a) Fungus b) Bacteria c) Virus d) Woolly apple aphids
73. Dwarfing rootstock for citrus a) Flying Dragon b) Adajamir c) Tyloer Citrange d) Trifoliate Orange
74. Wood apple propagated by a) Grafting b) Budding c) Both a and b d) Cutting
75. Cavendish Banana genotype a) AAA b) AA c) AB d) AAB
76. Protected structure are used to raise season nursery a) Early b) Late c) Mid d) None of these
77. Banana Optimum storage temperature a) 10 °C b) 11 °C c) 12 °C d) 13 °C
78. Spring crop in fig is called as a) Ambehahar b) Breba c) Mrigbahar d) Haste Bahar
79. The undifferentiated mass of cells is known as a) Callus b) Chimera c) Mutation d) None of these
80. Tissue culture is/are commercially exploited in a) Banana b) Chrysanthemum c) Orchid d) Both a and c
81. The technique used for producing virus free plants in citrus a) Micro grafting b) Meristem culture c) Both a and b d) None
82. Sibmating is practiced in a) Guava b) Litchi c) Strawberry d) Papaya
83. Cimeras are maintained by a) Budding b) Cuttings c) Grafting d) All of the above (main → cuttings)
84. Goma Priya is a cultivar of a) Jamun b) Karonda c) Fig d) Aonla
85. Alternate bearing is not so common in a) Sapota b) Tamarind c) Apple d) Citrus
86. Weight of banana sucker is a) 0.25-0.75 kg b) 0.75-1.0 kg c) 1.5-2.0 kg d) None of the above
87. Bio-regulator as an alternative for chilling requirement is a) ABA b) IAA c) GA d) Cytokinin
88. Chilling treatment is referred to as a) Vernalisation b) Stratification c) Both a and b d) Scarification
89. Cryo preservation of pollen is liquid Nitrogen done at a) -196 °C b) -43 °C c) -176 °C d) -166 °C
90. Dwarf rootstock of Mango a) Totapuri Red Small b) Olur c) Nekkare d) Beneshan
91. Fruit crop belonging to Myrtaceae is a) Jamun b) Ber c) Karnda d) Nutmeg
92. Mutant of Thompson Seedless a) Tas-e-Ganesh b) Sharad Seedless c) Sonaka d) none of these
93. Hybrids of Euvitis x Muscadine are a) Sterile b) Fertile c) Partial sterile d) Partial fertile
94. Ultra dwarf rootstock of apple is a) M-27 b) M-7 c) M-9 d) M-11

95. The PGR CCC is used to reduce the growth of the a) Leaves b) Fruit c) Both a and b d) None of these
96. The tree canopy can be controlled using application a) Ethrel b) Paclobutrazol c) IAA d) GA₃
97. The pomegranate fruit 'Balausta' is a modified a) Berry b) Drupe c) Amphisarca d) Capsule
98. Peach, the flowers are produced on a) Last year growth b) Axillary growth c) current year growth d) All
99. Possible intercrop in Banana is a) Turmeric b) Papaya c) Ginger d) All
100. False fruit is observed in a) Mango b) Mangosteen c) Apple d) Ber
101. Yellow color of papaya is due to a) Caricaxanthin b) Xanthin c) Papain d) Xanthophylls
102. Degreening is not done in a) Mango b) Citrus c) Banana d) Grapes
103. The ratio of edible to non-edible part in mango is a) 2:4 b) 3:5 c) 3:3 d) 3:4
104. Pineapple is a a) Perinneal herb b) Annual herb c) Binneal herb d) none of these
105. Nectarines belong to a) Plum b) Pear c) Peaches d) None of these
106. Kiwi fruit is propagated by cuttings due to a) Diocicous b) Monoecious c) Gynoecious d) All of these
107. The bud wood of temperate plant species is stored at a) 32°F b) 48°F c) 58°F d) 68°F
108. The fruit crop in which the cell division continues to take place till harvest is a) Avocado b) Peach c) Plum d) Carambola
109. The sugar acts as a preservative by the mechanism of a) Osmosis b) Fermentation c) both a & b d) _____
110. The fruit juices are pasteurized at a) 85°C b) 95°C c) 100°C d) 110°C
111. Defoliation in Annona achieved by spraying 0.5 % a) KI b) KMnO₄ c) CaCo₃ d) Ethrel
112. Monocotyledonous and monocarpic, herbaceous plant a) Plum b) Guava c) Banana d) Litchi
113. The plant growth regulator used for increasing berry size of grapes is a) IAA b) GA₃ c) Ethrel d) All
114. Miracle fruit of China is a) Kiwi fruit b) Apple c) Strawberry d) None of these
115. In the world, grapes are mostly processed into a) Raisin b) Juice c) Jam d) Wine
116. The suitable structure for plant growth studies is
a) Shed net house b) Low cost green house c) Phytotron d) Low cost polyhouse
117. Plant highly sensitive to moisture stress is a) Ber b) Banana c) Citrus d) All of these
118. Santa Rosa is a cultivar of a) Apple b) Pear c) Peach d) Plum
119. Strawberry is commercially propagated by a) Runners b) Suckers c) Slips d) All of these
120. Litchi leaf scorching is due to deficiency of a) N b) P c) Ca d) K
121. The Physiological Disorder of Apple reduced by storage a) CA b) MA c) Hypobaric d) All
122. Chemical thinning of fruit is done by a) GA₃ b) Ethrel c) IAA d) 2,4-D
123. Thickness of black mulch- a) 400 gauge b) 300 gauge c) 200 gauge d) 100 gauge
124. Fastest method of carrot peeling a) Lye peeling b) Flame peeling c) Steam peeling d) both a & b *Mechanical med all o fallow*
125. Walnut propagation: a) Patch budding b) Tongue grafting c) both a & b d) T budding
126. Fig Chromosome number: a) 26 b) 56 c) 36 d) 42
127. Green house CO₂ concentration..... a) 600ppm b) 700ppm c) 800 ppm d) 650ppm
128. Expand CAD a) Critical Area Difference b) Computer aided Design c) Both a & b d) Critical difference
129. Cashew commercially propagated by..... a) Cutting b) Softwood grafting c) Patch budding d) Tongue grafting
130. Phyllanthoid branching..... a) Karonda b) Papaya c) Aonla d) None
131. Black heart of apricot..... a) Disorder b) Disease c) Nutritional d) None
132. Guava medow orchard spacing a) 2x1m b) 2x2m c) 1x2m d) 1x1m
133. Recently mango classification given by..... Kosterman and Bombardment (1993) a) b) c) d)
134. Solidity maturity indices in a) Leafy vegetables b) Fruit vegetables c) Root vegetables d) All
135. Drying of seed for maintening..... a) Protein b) Oil content c) Chemical composition d) Viability
136. Which does not form the root..... a) Climbers b) Trellers c) Runners d) Suckers
137. Non endospermic seed..... a) Chrysanthemum b) Carnation c) Rose d) Orchids
138. Pseudo bulb formation in a) Liliium b) Orchid c) Amaryllis d) Freesia
139. Largest producer and exporter of palm oil a) Malaysia b) Indonesia c) Philippines d) India a) b) c) d)
140. Cocoa hybrid developed by KAU tolerant to die back.... a) CCRP8 b) CCRP1 c) CCRP d) CCRP 2
141. Main chemical constituent of lavender oil..... a) Chemazuline b) Linalyl acetate c) Camphene d) All

142. High oleoresin contain turmeric variety a) IISR Prabha b) IISR Lalit c) IISR Mahima d) IISR Lalima
 143. Improved dual purpose early maturing variety of fenugreek a) Hissar Sonali b) Hissar Harit
 144. Best method of extracting oil from aromatic plants a) florescent b) GC c) steam distillation d) SCFE
 145. Cashew commercially propagated by a) soft wood grafting b) ^{gas chr}cutting c) T budding d) none
 146. Oil palm introduced as an ornamental crop during the year a) 1840 b) 1860 c) 1848 d) 1960
 147. Stromatal aperture is measured with the help of a) Psychrometer b) Porometer c) Potometer d) None
 148. Low susceptible to ethylene injury a) Petunia b) Anthorium c) Lilies d) Carnation Phigh 5
 149. Ph of holding solution of flower a) Highly acidic b) Highly alkaline c) Slightly acidic d) Slightly alkaline
 150. Grandifloras..... a) floribundas x hybrid tea b) Hybrid tea X Dwarf polyantha c) Hybrid tea X Perpetuals
 d) None

151. Match the following 1. Indian Horticulture a) GAU, Junagarh 2. Scientific Horticulture b) Belgium 5 3. Indian Spices c) Cochin (Kerala) 3 4. Indian J. of Horti d) ICAR, New Delhi 1 5. eJHS e) IARI, New Delhi 1	152. Match the following 1. Annona diversifolia a) Pond apple 5 2. Annona reticulate b) Laxman pal 3 3. Annona atemoya c) Bullocks heart 2 4. Annona muricata d) White annona 1 5. Annona glabra e) Sour sop 4
153. Match the following 1. Peach leaf curl a) Fungus 1 2. Red rust of mango b) Bacteria 3. Grape fan leaf c) Nematode 4. Gummosis d) Algae 2 5. Gummosis in peach e) Citrus 4	154. Match the following 1. Star lily a) Amaryllis 1 2. Sword lily b) Gladiolus 2 3. Antirrhinum c) Dog flower 3 4. Ice plant d) Fig marigold 7 5. Summer Cyprus e) Kochia 5
155. Match the following 1. Rose garden a) Darjeeling 5 2. Dilkush Garden b) Japan 4 3. Roshanar park c) Delhi 3 4. Osaka d) Lahore 2 5. Lynd Botanical Garden e) Chandigarh 1	156. Match the following 1. Pasteurization a) Milk 1 2. Blanching b) Vegetables 2 3. Baking c) Bread 3 4. Brewing d) Barley 4 5. Scurvy e) Aonia 5
157. Match the following 1. Mentha a) Lythraceae 4 2. Davana b) Areceae 5 3. Kewada c) Labitaceae 1 4. Mehandhi d) Astraceae 2 5. Sweet flag e) pondenaceae 3	158. Match the following 1. Dieffenbachia a) Fern 2 2. Neprolipsis b) Succulent 5 3. Livistonia c) Foliage plant 1 4. Indian ivy d) Palm 3 5. Kalenchoe e) climber 4
159. Match the following 1. Dithane M-45 a) Sex modification 4 2. Basalin b) Weedicide 2 3. Melathion c) Bactericide 5 4. Etherel d) Fungicide 1 5. Streptomycin e) Insecticide 3	160. Match the following 1. DNA a) growth hormone 5 2. Glucose b) Nucleic acid 1 3. Cellulose c) Sugar 2 4. Metasystox d) Insecticide 4 5. GA3 e) cell wall 3

.....All The Best have a Great Success.....

7.5pH most opt for veg

paty 4m. lakshmi @ gmail. com.

136. Grape variety having red pulp colour and juice a) b) c) d) Tenturies
 137. Wild pomegranate resistance to a) Wilt b) Bacterial Blight c) Shot hole borer d) Virus
 138. Pusa Lalima is a hybrid of a) Mango b) Onion c) Mangosteen d) Guava
 139. Dichotomus branching a) Jamun b) Papaya c) Karonda d) Guava
 140. Black leg caused by a) Bacteria b) Fungi c) Virus d) Algae
 141. Vegetable used as trap crop a) Onion b) Okra c) Tomato d) Brinjal
 142. Melon harvest of distance market a) Full slip b) Half slip c) Both d) Immature
 143. Rhubarb origin a) Siberia b) Ethiopea c) Iran d) Iraq
 144. Diploid apogamia reported in a) Onion b) Banana c) Citrus d) All
 145. How many contrasting trait Mendel noticed in garden pea plant a) 6 b) 7 c) 8 d) 9
 146. Nishkant thorn less rootstock developed from a) IHR b) IARI c) NBRI d) BARC
 147. Directorate of flower research located at a) Pune b) Banaluru c) Newdelhi d) Lucknow
 148. Largest area of flower crop in India a) Marigold b) Jasmine c) Tuberose d) China aster
 149. Gladiolus more prone to a) *Fusarium* sp b) *Botrytis* sp c) *Pseudomonas* d) *Phythium*
 150. Fluoride injury more in a) Gladiolus b) Carnation c) Orchid d) Chrysanthemum

151. Match the following 1. Copper oxychloride a) Confidor 2. Imidachlorpid b) Sevin 3. Phorate c) Thimet 4. Carbofuran d) Furadan 5. Carbaryl e) Blitox	152. Match the following 1. Vit B12 a) Antisterility 2. Vit E b) Xerophthalmia 3. Vit A c) Pellagra 4. Niacin d) Perenocious anaemia 5. Carotenoids e) Vit A
153. Match the following 1. Cabbage a) <i>Spodoptera litura</i> 2. Potato b) <i>Earias vittella</i> 3. Onion c) <i>Cylas formicarius</i> 4. Okra d) <i>Thrips tabaci</i> 5. Sweet potato e) <i>Phthorimæa operculella</i>	154. Match the following 1. Tuber a) Amaryllis 3 2. Corm b) Iris 4 3. Bulb c) Freesia 2 4. Rhizome d) Chlorophytum 5 5. Runner e) Dahlia 1
155. Match the following 1. Auxins a) Genetical Dwarfism 2. GA ₃ b) Fruit ripening 3. Cytokinin c) Cell Division 4. Ethylene d) Stomata Closing 5. ABA e) Apical Dominance	156. Match the following 1. Racemose a) Onion 2. Terminal raceme b) Beet root 3. Spike c) Sponge gourd 4. Umbel d) Radish 5. Axillary Peduncle raceme e) Garden pea
156. Match the following 1. Lalbagh garden a) Newdelhi 2. Varindavan garden b) Chandigarh 3. Budda garden c) Bangalore 4. Pinjor garden d) Mysore 5. Shalimar bagh e) Srinagar	157. Match the following 1. Apomixes a) Tissue culture 4 2. Chimeras b) Absence of meiosis 3. Cloning c) genetically different tissue d 4. Haberlandt d) Mitotic cell division 5. Agar e) solidifying agent
156. Match the following 1. Photosynthesis a) Mitochondria 2. Power of the cell b) Lysosomes 3. Digestive enzyme c) Chloroplast 4. Segregation d) Garden pea 5. Mendal law e) Meiosis	167. Match the following 1. Ethephon a) Fruit drop 2. IBA b) Elongation 3. GA ₃ c) Ripening 4. 2,4-D d) Growth retardant 5. MH e) Rooting of cutting

.....All The Best have a Great Success.....

ICAR-JRF TEST PAPER
(HORTICULTURE)

1. Vacuum pre-cooling is done for a) Leafy vegetables b) Fruit vegetables c) Root vegetables d) All
2. 1 gram in 1 litre is a) 100ppm b) 10 ppm c) 1 ppm d) 1000 ppm
3. Tomato leaf curl virus is transmitted by a) Aphid b) White fly c) Thrip d) Mite
4. Citrus tristeza virus indicator plant is a) Kagzi lime b) Rangapur lime c) Tahati lime a) Jattikatti
5. Bacterial wilt in brinjal is serious problem in.... region a) Temperate b) Subtropical c) Tropical d) none
6. Enzyme is used for clarification of fruit pectin is a) Pectin lyase b) Zymase c) Pectin methylase d) all
7. Remote sensing..... Radiation is used in photography a) Electromagnetic b) Electric c) UV d) X-Ray
8. Keikis is common name of a) Carnation b) Chrysanthemum c) Bird Of Paradise d) Orchid.
9. Inflorescence of Anthurium is known as a) Spike b) Spathe c) Spadix d) Cryomb
10. The seed sown by farmer is known as. a) Breeder seeds b) Certified seeds c) Foundation seeds d) All
11. Father of systemic pomology a) de Candolle b) N I Vavilov c) Simmon and shaperd d) Harbajan sing
12. Citrus classification was given by a) Tanaka b) Simmon and shaperd c) Swingale & tanaka d) de Candolle
13. Morphine is extracted from a) Opium b) Occimum c) Henbane d) Rosemary
14. Hartig net is formed by a) Mycorrhiza. b) Rhizobium c) Fusarium d) Pseudomonas
15. Water melon bud necrosis is by a) Thrips b) White fly c) Aphid d) Mite
16. Quality perfume is obtained from a) *Jasminum grandiflorum* b) *J multiflorum* c) *J sambac* d) All
17. The flavour in onion is due to a) Diallyl Propyl Disulphide b) Diallyl Disulphide c) Allyl Propyl Disulphide d) Methyl Pyrazine
18. Redness in apple is due. a) Phenols b) Anthocyanin c) Terphines d) Xanthophylls
19. Sporophytic incompatibility is/are present in a) Mango b) Aonla c) Cocoa d) All
20. During bud uniongets united. a) Cambium b) Sclerenchyma c) Parenchyma d) all to these
21. Netting is needed in. a) Orchid b) Carnation c) Gerbera d) Gladiolus
22. Spongy tissue is observed in variety of mango a) Alphonso b) Mallika c) Arunika d) Neelum
23. Alternanthera is used as a) Hedge b) Climber c) Shrub d) Edge
24. Shaping of plants into birds and animal shape is known as a) Topiary b) Bonsai c) Pergola d) All
25. Bordeaux mixture was first used to control....of grapes a) Downy mildew b) Powdery mildew c) both d) All
26. National Agricultural Drought Assesment and Monitoring system under a) BARC b) ICAR c) ISRO d) All
27. Black heart is a disorder of a) Potato b) Cabbage c) Apricot d) Cauliflower
28. Quality of pea is based on a) less starch and high sugar b) low starch and sugar c) Both d) None
29. In coffee aroma is increased due to a) Roasting b) Fermentation c) Partial Fermentation d) all of these
30. "fruit of new world" is a) Carambola b) persimmon c) Avacado d) Mangosteen
31. Which is the Biocontrol agent for soil borne fungus is a) Fusarium b) Tricogramma c) Trichoderma d) All
32. The fertilizers are not produced in India. a) Potassic b) Phosphorus c) Sulphur d) Calcium
33. Which of the following is double cross hybrid? a) (AXB)XC b) A(BXC) c) (AXB)X(CXD) d) none
34. Most dangerous insect causing viral disease in potato is a) Aphid b) Mite c) White Fly d) None
35. Vigorous rootstock of grape a) Dogridge b) St john c) Salt creek d) Saltdown
36. Colt and Mazzard are the rootstocks of a) Cherry b) Plum c) Pear d) Peach
37. Palmate is a modification oftraining system a) Central leader b) Modified leader c) Both
38. Dwarfing rootstock of plum is a) Pixy b) Triton c) Jamuri d) Kelsey
39. The weight of 1000 seeds is called a) Seed weight b) Test weight c) Seed index d) All
40. MSP for food grains supported by a) CACP b) ICAR c) IISR d) IARI
41. Removal of male and female flowers in the initial years of oil palm is called a) Ablation b) Stirring c) Scuffling d) None
42. Mesocarp is highest in which variety of oil palm - (a) Pisifera b) Dura c) Tenera d) All of these
43. Economic part of saffron - a) Whole flower b) Pistil c) Whole plant d) Only leaves

44. Economic life span of cardamom- a)10-15 years b) 8-10 years c)15-20 years d)None
45. Gynodioecious papaya variety – a) Pusa majesty b)PusaNanha,c) Pusa Dwarf,d) PusaGaint
46. Leading producer of turmeric in India –a)KRN b)MH c) Andhra Pradesh d)TN
47. The structure in flower prevents natural pollination in vanilla –a)Rostellum b)Labellum c)Both d)None
48. Economic part of clove - a)Immature flower bud b) Mature flower bud c) seed d) fruit
49. Indian ginseng is the common name of a)Guggal b)Coleus c)Sarpaganda d) Aswagandha
50. Aromatic crop with maximum area in India – a) Rosemary b) Lemon grass c) Mint d) Palmarosa
51. Root wilt resistant variety of coconut –a)Tipatur Local b)Kera Shankara c)Kera ganga d)Kalparaksha
52. Aromatic principle in Palmarosa a)Geraniol b)Citronellol c)Farnesol d)Citral
53. Natural sweetner –a)Geranium b)Davana c)Stevia d)Kewada
54. Harvesting for the CHALI in arecanut is done at a)8 months b)9 months c)12 months d)14 months
55. Unfermented tea - a) Green tea b) Oolong tea c) Brown tea d) Lemon tea
56. Main constituent of Rose oil – Eugenol, Geraniol, Citronellol, neral a)b)c)d)
57. Which flower is a sign for 'Thoughts' –a)Pansy b)Amaryllis c)Daffodil d)Stock
58. Annual suitable for shady location –a)Lobia b)Amanthus c)Balsam d)Salvia
59. No pinch no stake varieties belongs to which group–a)Chrysanthemum b)Carnation c)Verbena d)None
60. Annual native to India –a)Sunflower b)Satice c)Gomphrena d)Daisy
61. Yellow regan is a mutant of a)Aster b)Phlox c)Snow ball d)Verbena
62. Country with highest area under green houses in ornamentals –a)Norway b)Netherlands c)UK d)USA
63. Secondary color –a)Green b)Violet c)Orange d)All of these
64. Cut flower tolerant to chlorine in vase water –a)Gerbera b)Carnation c)Rose d)Orchid
65. Greasy streak in foliage of tuberose is due to a)Fungi b) Nematode c)Bacteria d)Virus
66. Damask rose–a)*R phoenica* X *R gallica* b)*R seriecia* X *R gallica* c)*R seriecia* X *R gallica* d)none
67. 4 Petal rose is a) *R. seriecia* b) *R phoenica* c) *R gallica* d)None
68. Monopodial Orchid –a) Arachnis b) Vanda c)Vanilla d)All of these
69. Origin of carnation –a)Iran b)Italy c)Iraq d) Spain
70. Miniature Variety of carnation –a)Joker b) Pico c)Pink Dona d)Royal pancy
71. Chrysanthemum is a Greek word meaning a)Queen of East b)Autumn Queen c)Golden flower d)None
72. Largest genera of Orchids –a)Vanda b)Bulbophyllum c)Cymbidium d)Cattleya
73. Cross pollination in Anthurium is due to a)Protogyny b)Protogyny c)Cleistogamy d)Chasmogamy
74. Sleepiness in carnation is due to a)IBA b)IAA c)GA3 d) Ethylene
75. Stenting is an operation in a) Rose b)Carnation c)Orchid d) Anthurium
76. For blue rose Gene is taken from a)Dahlia b)Chrysanthemum c)Daisy d)Pansy
77. Freesia is propagated by a)Bulb b) Corms c)Tuber d)Rhizome
78. *In vitro* propagation of citrus for virus free plants the explant used is a) Shoot tip b)Root tip c)Both
79. Perishables transported by means of a)Airways b)Railways c) Roadway d)Waterway
80. Sauer kraut from a) Cabbage b)Cauliflower c)Broccoli d)Brussels sprout
81. Enzyme involved in germination of seed - a)PPO b) Alpha – Amylase c)Peptidase d)Pectinase
82. Cause of fruit cracking in cherry a)RH b)High temperature c)Rainfall d)All of these
83. Fluctuation in temperature causes problem in Mango in North India.....a)Floral Malformation
b)vegetative Malformation c)Flower drop d)Vegetative growth
84. Aim of Precooling –a)To remove Field heat b)Increase respiration c)Both a and b d)Remove the water
85. Hypobaric storage is also called....storage a)High pressure b)Low pressure c)Low pressure d)None
86. Budding in which wood along with bark is taken –a)Patch budding b)c)d)
87. Fruit crop originated in India –a)Jack fruit b) Bael c)Phalsa d)All of these
88. Citron is a)Monoembryonic b)Polyembryonic c)Both d)None
89. Good mother palm of coconut should have a)10 leaves b) 10-15 leaves c) 20-25leaves d)30-40 leaves

136. Grape variety having red pulp colour and juice a) b) c) d) Tenturies
137. Wild pomegranate resistance to..... a) Wilt b) Bacterial Blight c) Shot hole borer d) Virus
138. Pusa Lalima is a hybrid of..... a) Mango b) Onion c) Mangosteen d) Guava
139. Dichotomous branching..... a) Jamun b) Papaya c) Karonda d) Guava
140. Black leg caused by a) Bacteria b) Fungi c) Virus d) Algae
141. Vegetable used as trap crop a) Onion b) Okra c) Tomato d) Brinjal
142. Melon harvest of distance market a) Full slip b) Half slip c) Both d) Immature
143. Rhubarb origin a) Siberia b) Ethiopia c) Iran d) Iraq
144. Diploid apogamia reported in a) Onion b) Banana c) Citrus d) All
145. How many contrasting trait Mendel noticed in garden pea plant a) 6 b) 7 c) 8 d) 9
146. Nishkant thorn less rootstock developed from a) IHR b) IARI c) NBRI d) BARC
147. Directorate of flower research located at a) Pune b) Banaluru c) Newdelhi d) Lucknow
148. Largest area of flower crop in India a) Marigold b) Jasmine c) Tuberose d) China aster
149. Gladiolus more prone to..... a) *Fusarium* sp b) *Botrytis* sp c) *Pseudomonas* d) *Phythium*
150. Fluoride injury more in a) Gladiolus b) Carnation c) Orchid d) Chrysanthemum

151. Match the following 1. Copper oxychloride a) Confidor 2. Imidachlorpid b) Sevin 3. Phorate c) Thimet 4. Carbofuran d) Furadan 5. Carbaryl e) Blitox	152. Match the following 1. Vit B12 a) Antisterility 2. Vit E b) Xerophthalmia 3. Vit A c) Pellagra 4. Niacin d) Perenocious anaemia 5. Carotenoids e) Vit A
153. Match the following 1. Cabbage a) <i>Spodoptera litura</i> 2. Potato b) <i>Earias vittella</i> 3. Onion c) <i>Cylas formicarius</i> 4. Okra d) <i>Thrips tabaci</i> 5. Sweet potato e) <i>Phthorimæa operculella</i>	154. Match the following 1. Tuber a) <i>Amaryllis</i> 3 2. Corm b) <i>Iris</i> 4 3. Bulb c) <i>Freesia</i> 2 4. Rhizome d) <i>Chlorophytum</i> 5 5. Runner e) <i>Dahlia</i> 1
155. Match the following 1. Auxins a) Genetical Dwarfism 2. GA ₃ b) Fruit ripening 3. Cytokinin c) Cell Division 4. Ethylene d) Stomata Closing 5. ABA e) Apical Dominance	156. Match the following 1. Racemose a) Onion 2. Terminal raceme b) Beet root 3. Spike c) Sponge gourd 4. Umbel d) Radish 5. Axillary Peduncle raceme e) Garden pea
156. Match the following 1. Lalbagh garden a) Newdelhi 2. Varindavan garden b) Chandigarh 3. Budda garden c) Bangalore 4. Pinjor garden d) Mysore 5. Shalimar bagh e) Srinagar	157. Match the following 1. Apomixes a) Tissue culture 4 2. Chimeras b) Absence of meiosis 3. Cloning c) genetically different tissues 4. Haberlandt d) Mitotic cell division 5. Agar e) solidifying agent
156. Match the following 1. Photosynthesis a) Mitochondria 2. Power of the cell b) Lysosomes 3. Digestive enzyme c) Chloroplast 4. Segregation d) Garden pea 5. Mendal law e) Meiosis	160. Match the following 1. Ethephon a) Fruit drop 2. IBA b) Elongation 3. GA3 c) Ripening 4. 2,4-D d) Growth retardant 5. MH e) Rooting of cutting

.....All The Best have a Great Success.....

90. The physiological method to detect harvest maturity is a) Visual b) Sound c) Heat units d) All of these
91. Under exploited vegetable looks similar to white Carrot – a) Turnip b) Parsnip c) Celeriac d) celery
92. 70 % Foreign exchange is achieved through the export of a) Okra b) Garlic c) Onion d) Gherkin
93. Disease resistance in vegetable is incorporated by ... breeding a) Backcross b) Mass selection c) Pedigree d) SSD
94. The single seeded perennial cucurbit is a) Pointed gourd b) Ivy gourd c) Bottle gourd d) Chow-chow
95. Arka Manik variety of water melon is resistant to a) Powdery Mildew b) Anthracnose c) Downy mildew d) All
96. "Gulmhendi" is common name of a) Pancy b) Balsam c) Carnation d) Rose
97. The "AmA1" gene from amaranth is transferred for enrichment of a) Tomato b) Potato c) Pomato d) All
98. The long day conditions required by chrysanthemum for ... vegetative growth a) Optimum b) Moderate c) Lower
99. Golden Rod belongs to family a) Asteraceae b) Lamiaceae c) Labitaceae d) Graminaceae
100. Starch to sugar conversion is not desirable in a) Potato b) Onion c) Garlic d) Tomato
101. Precise and controlled storage is possible in a) CAS b) MAS c) Hypobaric storage d) None
102. Surface netting is the harvest index in a) Musk melon b) Water melon c) Both d) Snap melon
103. Harvesting stage of carnation – a) Paint brush stage b) Full open c) Half open d) None of these
104. Quickest method of lawn establishment – a) Bricking b) Seed sowing c) Dibbling d) Turfing
105. Best method of drying the flowers a) Drying b) freeze drying c) Sand drying d) sun drying
106. Fillers in Japanese arrangement is called a) Jushi b) Shin c) Soe d) Hikaie
107. Beneficial association of litchi with a) Mycorrhiza b) Fusarium c) Algae d) Azospirillum
108. Low temperature treatment for seed germination is called a) Stratification b) Scarification c) d)
109. In Apple, pigmentation is due to the exposure of fruits to a) UV light b) Gamma rays c) Both d) None
110. Waxing of fruits reduces a) Trans-Evaporation b) Evaporation c) Transpiration d) Respiration
111. Albinism is a physiological disorder in a) Strawberry b) Papaya c) Avocado d) Cranberry
112. Pruning in which removal of low hanging branches is a) Skirting b) Ablation c) Scuffing d) None
113. Repair grafting is also called- a) Bridge grafting b) Inarching c) Side grafting d) Saddle grafting
114. Kinnow is a cross between a) Willowleaf X King b) King X Willowleaf c) queen X King d) None
115. Sporophytic self incompatibility is seen in... a) Wing bean b) Lima bean c) Broccoli d) Broad bean
116. Capitulum inflorescence of – a) Artichoke b) Spinach c) Basella d) Palak
117. Isolation distance for cauliflower foundation seed- a) 1000m b) 1600m c) 800m d) 1200m
118. Pig weed is the common name of a) Amaranth b) Palak c) Fenugreek d) Spinach
119. VAM is a a) Fungi b) Bacteria c) Virus d) Algae
120. Dwarfing and polyploidy variety of mango – a) Neelum b) Nekkare c) Olur d) Vellaikulumban
121. Vernalisation treatment for perennials should be given to a) Shoot tips b) Root tips c) Embryo d) Seed
122. Browning of cut apple is due to a) PPO b) FPO c) Oxydase d) All
123. Seeds that have undergone maturation drying – a) Recalcitrant b) Orthodox c) Recalci-Ortho d) None
124. Process of development of haploid plants from male gamete is called a) Gynogenesis b) Androgenesis
c) Haploid d) Double Haploid
125. Pollination occurs without opening of flowers is called a) Cleistogamy b) Chasmogamy c) Hercogamy
126. Sun Up is a transgenic var of a) Papaya b) Strawberry c) Kiwifruit d) Canberry
127. Canning is also called a) Appertisation b) Freezing c) Asepsis d) Canamalization
128. Syneresis in food products is due to a) b) c) d)
129. Duodichogamy – a) Chestnut b) Pecanut c) Avocado d) Custard apple
130. Example for monocot – a) Cassava b) Onion c) Garlic d) All
131. Co dominant marker..... a) RAPD b) SSR c) ISSR d) All
132. Florissant 500.... a) Fungicide b) Self life Enhancer c) Vase solution d) Germicide
133. Non climacteric fruit..... a) Carambola b) Pear c) Mango d) Jack
134. Synthetic seed production technology in Banana was developed by... a) NRCB b) IARI c) BARC d) IHR
135. Vapour heat treatment in..... a) Mango b) Mangosteen c) Pineapple d) All