

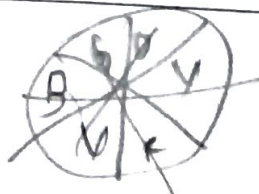
ICAR-JRF TEST PAPER

(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 union gets 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
26. National Agricultural Drought Assesment and Monitoring system under a) BARC b) ICAR MISRO 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 of training 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) Pusa Nanha, c) Pusa Dwarf, d) Pusa Gaint
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) Sarphaganda 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) Amaranthus 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. phoenicia* X *R. gallica* b) *R. sericea* X *R. gallica* c) *R. sericea* X *R. gallica* d) none
67. 4 Petal rose is a) *R. sericea* b) *R. phoenicia* 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) Clestogamy d) Chasmogomy
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) 20-25 leaves d) 30-40 leaves

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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 amaranths 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) Recalc-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) \rightarrow Acid & Sugar
129. Duodichogamy \rightarrow a) Chestnut b) Pecanut c) Avocado d) Custard apple \rightarrow 15 SA, RFLP \rightarrow Point
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) IIHR
135. Vapour heat treatment in..... a) Mango b) Mangosteen c) Pineapple d) All

136. Grape variety having red pulp colour and juice a) (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 e) 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 2. Imidachlorpid b) Sevin 4 3. Phorate c) Thimet 3 4. Carbofuran d) Furadan 5 5. Carbaryl e) Blitox 1	152. Match the following 1. Vit B12 a) Antisterility 2 2. Vit E b) Xerophthalmia 3 3. Vit A c) Pellagra 4 4. Niacin d) Perenocious anaemia 1 5. Carotenoids e) Vit A - 5
153. Match the following 1. Cabbage a) Spodoptera litura 4 2. Potato b) Earias vittella 1 3. Onion c) Cylas formicarius 5 4. Okra d) Thrips tabaci 3 5. Sweet potato e) Phthorimaea operculella 2	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 6 2. GA ₃ b) Fruit ripening 4 3. Cytokinin c) Cell Division 2 4. Ethylene d) Stomata Closing 3 5. ABA e) Apical Dominance 1	156. Match the following 1. Racemose a) Onion 4 2. Terminal raceme b) Beet root 3 3. Spike c) Sponge gourd 5 4. Umbel d) Radish 2 5. Axillary Peduncle raceme e) Garden pea 1
157. Match the following 1. Lalbagh garden a) Newdelhi 3 2. Varindavan garden b) Chandigarh 4 3. Budda garden c) Bangalore 1 4. Pinjor garden d) Mysore 2 5. Shalimar bagh e) Srinagar 5	158. Match the following 1. Apomixes a) Tissue culture 4 2. Chimeras b) Absence of meiosis 1 3. Cloning c) genetically different tissues 2 4. Haberlandt d) Mitotic cell division 3 5. Agar e) solidifying agent 5
159. Match the following 1. Photosynthesis a) Mitochondria 2 2. Power of the cell b) Lysosomes 3 3. Digestive enzyme c) Choroplast 1 4. Segregation d) Garden pea 5 5. Mendal law e) Meiosis 4	160. Match the following 1. Ethephon a) Fruit drop 4 2. IBA b) Elongation 3 3. GA ₃ c) Ripening 1 4. 2,4-D d) Growth retardant 5 5. MH e) Rooting of cutting 2

Commission

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