

University of Horticultural Sciences, Bagalkot
Human Resource Development Cell
College of Horticulture, Udyanagiri, Bagalkot-587 104
Model Test Paper (Horticulture) -2015

1. Fruit crop which is rich in citric acid?
 a) Apple b) Peach
 ✓ c) Pear d) Plum
2. Pineapple is a kind of fruit?
 ✓ a) Sorosis b) Capsule
 c) Synconus d) Drupe
3. Which one is modified berry fruit?
 a) Banana b) Papaya
 c) Sapota ✓ d) Beal (Amplificia)
4. Which one is climacteric fruit?
 a) Pineapple b) Ber
 ✓ c) Annona d) Litchi
5. Which fruit shows duodichogamy?
 a) Avocado (PDSO) ✓ b) Chestnut
 c) Pecanut (stereostyle) d) Cashewnut
6. A ploidy level of Kiwi Fruit is?
 a) Auto-octaploid b) Allo-octaploid
 ✓ c) Auto-hexaploid d) Allo-hexaploid (European plum)
7. Which Citrus fruit is from the new world?
 ✓ a) Grape Fruit b) Pummelo
 c) Lime d) Sweet Orange
8. Which fruit is commonly called as Bathroom Fruit?
 a) Banana b) Kiwi
 c) Guava ✓ d) Mango
9. Which fruit is commonly called as Chinese Gooseberry?
 a) Fig ✓ b) Kiwi
 c) Aonla d) Strawberry
10. Which fruit is introduced in India in name of Japanese Madler?
 a) Peach b) Plum
 ✓ c) Loquat d) Quince
11. Commercial propagation method for cashew nut?
 ✓ a) Softwood Cutting b) Hardwood Cutting (Fig, grape) ^{Pome} 24.
 c) Seedling d) Patch Budding (only, Ber)
12. Inflorescence of Areca nut is:
 ✓ a) Spadix b) Corymb (pear) 25.
 c) Solitary (Almond) d) Panicle (grape, mango, litchi)
13. Edible part of Banana is:
 a) Mesocarp b) Endocarp
 c) Paricarp ✓ d) Both a & b
14. Pollinizer variety used in Mango is:
 a) Chausa b) Mallika
 ✓ c) Bombay Green d) Desahari
15. Apple Shape cultivar of mango is:
 a) Rosica ✓ b) Rumani
 c) Totapuri (processing) d) Tomy Atkin
16. Suitable Temperature for banana cultivation is:
 a) 17-20°C ✓ b) 20-30°C
 c) 30-34°C d) 8-15°C
17. Amritsagar is an important cultivar of:
 a) Mango b) Beal
 ✓ c) Banana d) Guava
18. Papaya is commercially propagated by:
 a) Softwood Cutting ✓ b) Seeds
 c) Patch Budding d) Grafting
19. Enzyme Present in pineapple is:
 a) Fapain b) Caprine
 ✓ c) Brömelin d) Bromacil (herbicide)
20. Adam's Apple is important rootstock of:
 a) Apple b) Fig
 ✓ c) Sapota d) Almond
21. Jackfruit comes up well in which type of climate?
 a) Temperate ✓ b) Tropical
 c) Sub-tropical d) Arid Zone
22. Carambola is native of:
 a) Japan ✓ b) Malaysia (Durian)
 c) Thailand d) China
23. Chemical used for control for Pre-harvest drop of citrus fruits is:
 ✓ a) 2-4 D @ 20 ppm b) 2-4 D @ 200 ppm
 c) NAA @ 50 ppm d) NAA @ 500 ppm
24. Star Ruby is popular & commercial cultivar of:
 a) Pomegranate ✓ b) Grape Fruit
 c) Strawberry d) Peach
25. Grape vines are planted in the northern plains of Ind in the month of?
 a) Oct-Nov b) Dec-Jan
 ✓ c) Jan-March d) July-August

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56. Tomato variety suitable for processing is:
 - a) Pusa Upkar
 - b) Pusa Bahar
 - c) Pusa Saurabh
 - d) Pusa Ruby
 57. Vijay & Azad is cultivar of:
 - a) Tomato
 - b) Brinjal
 - c) Capsicum
 - d) Onion
 58. Cultivar of chilli from PAU developed through GMS lines:
 - a) NP-46A
 - b) Punjab Lal
 - c) CH-1
 - d) K-2 (fruit red)
 59. After tomato in which crop F₁ hybrids covered maximum acreage?
 - a) Brinjal
 - b) Onion
 - c) Cabbage
 - d) Peas
 60. Seed rate for early cultivars of cauliflowers is;
 - a) 150-200gm
 - b) 250-400gm
 - c) 500-600gm
 - d) 700-850gm
 61. Breeding method used to transfer resistance which is govern by single or few genes:
 - a) Pedigree Mass Selection
 - b) Back Cross
 - c) Top Cross
 - d) Hybridization
 62. Which Crop shows Protoandry:
 - a) Radish
 - b) Cole crops
 - c) Carrot, onion
 - d) Pea
 63. Onion is rich Source of:
 - a) Vitamin A
 - b) Vitamin B
 - c) Vitamin C
 - d) Vitamin K
 64. Vegetable which is rich in protein and calcium is:
 - a) Agathi
 - b) Asparagus
 - c) Amaranths
 - d) Drumstick
 65. Both rabi & kharif seasoned cultivar of onion is:
 - a) N- 53
 - b) Arka Kirtiman (male sterile line)
 - c) Arka Pragati
 - d) Arka Kalyan
 66. Harvesting Stage of watermelon is:
 - a) Half Slip Stage
 - b) Full Slip Stage
 - c) 1/2 maturity
 - d) None
 67. Which cucurbit is highly sensitive to photoperiodism?
 - a) Pumpkin
 - b) Bottle Gourd
 - c) Bitter Gourd
 - d) Ridge Gourd
 68. Which one is Amphidiploid in nature?
 - a) Pumpkin
 - b) Bottle Gourd
 - c) Bitter Gourd
 - d) Ridge Gourd
 69. Chyote is common name of:
 - a) Chow-Chow
 - b) Pointed Gourd
 - c) Spine Gourd
 - d) Ivy Gourd
 70. Common name of French Bean?
 - a) Kidney bean
 - b) Goa Bean
 - c) Winged Bean
 - d) Indian Bean
 71. Which bean is used to extract gum?
 - a) Broad Bean
 - b) Lima Bean
 - c) Cluster Bean
 - d) None
 72. All Green is important cultivar of :
 - a) Lettuce
 - b) Palak
 - c) Spinach
 - d) Amaranths
 73. Yellow colour of cassava is due to:
 - a) Xanthophylls
 - b) Carotene
 - c) Anthocynin
 - d) None
 74. Scientific name of Chinese potato is:
 - a) *Solenostemon rotundifolium*
 - b) *Xanthosoma sagittifolium*
 - c) *Helianthus tuberosus*
 - d) *Eleocharis dulcis*
 75. Bread Fruit belongs to the family:
 - a) Leguminosae
 - b) Apocynaceae (kalanchoe)
 - c) Moraceae
 - d) None
 76. Hollow Heart of potato is due to: high N₂
 - a) Low N₂
 - b) B deficiency
 - c) Poor Ventilation (brown heart)
 - d) None
 77. Golden Flake of tomato is due to:
 - a) Excess Ca-Oxalates
 - b) High K/Ca
 - c) Deficiency of Boron
 - d) None
 78. Cyst nematode is main problem of:
 - a) Potato
 - b) Brinjal
 - c) Tomato
 - d) Both b & c
 79. Edible part of Brinjal is:
 - a) Mature Fruits
 - b) Tender Fruits
 - c) Capsule
 - d) None
 80. Tomato variety for juice extraction is:
 - a) Pusa-Ruby
 - b) Angurlata
 - c) Kalinpur
 - d) All of above
 81. Centre of Origin of spinach is:
 - a) Indo-China
 - b) Mediterranean
 - c) Brazil
 - d) Iran
 82. Scientific name of Chow-Chow is:
 - a) *Cocccinia indica*
 - b) *Momordica cochinchinensis*
 - c) *Sechium edule*
 - d) *Benincasa hispida*
 83. Family of carrot is:
 - a) Alliaceae (onion garlic)
 - b) Compositae (lettuce)
 - c) Araceae (elephant foot yam)
 - d) Apiaceae
 84. Which bean is called as black eyed pea?
 - a) Cow Pea
 - b) Winged Bean
 - c) French Bean
 - d) None

1992, protected cult^{ure}, Rose (1st) - Balraj present
NRC student
of seed pic

Tajmahal - leading export cu of Rose

checks

85. Potato bears a kind of flowers?
a) Monoecious b) Dioecious
c) Bisexual d) Gynodioecious
86. Daily mean Temperature favourable for Brinjal production is:
a) 0-5C b) 5-10C
c) 10-15C d) 13-21C
87. Optimum time for planting of onion bulbs for seed production is:
a) Sept b) Oct
c) Dec-Jan d) None
88. Which country is known as "Home of Spices"?
 a) India b) Vietnam
c) Indonesia d) Philippines
89. Seed rate for one hectare propagation of Turmeric is:
a) 6qtl b) 14qtl
c) 18qtl d) 24qtl
90. Family of Nutmeg is:
a) Myrtaceae b) Lauraceae
c) Apiaceae d) Myrasticaceae
91. Chemical content present in Saffron is:
 a) Crocrocetin b) Acorin
c) Carvone d) Anithal
92. Which part of Guggal is used as medicine?
a) Leaves b) Roots
 c) Oleoresin Gums d) None
93. Which medicinal plant is used for contraceptive pills?
a) Medicinal Solanum b) Medicinal Yam
c) Rye Ergot d) Datura
94. Devana belongs to the family?
a) Geraniaceae b) Labiateae
c) Lamiaceae d) Asteraceae
95. Active ingredient in Indian basil?
a) Citrol b) Limonine
c) Farnesol d) Methyl Chavicol
96. Which garden is regarded as genesis of gardening?
 a) Eden b) Oskā
c) Kew d) Hampshire
97. Coals and bark is important constituent of potting media for cultivation of:
 a) Orchids b) Bryophyllum
c) Ferns d) Palm
98. IXL is important rootstock of:
 a) Rose b) Bougainvillea
c) Jasmine d) None
99. Heterostyly is common in which annual plant:
a) Petunia b) Marigold
 c) Primula d) All of above
100. CO₂ concentration in green house cultivation of rose should be:
a) 300 ppm b) 500 ppm
 c) 1000-3000 ppm d) more than 3000 ppm
101. Salt of which element is detrimental to flower longevity?
a) Cl b) F
c) Al d) Na
102. Seed rate for lawn/acre is:
a) 1 Kg b) 10Kg (acre)
c) 25 Kg (ha) d) 40 Kg
103. Diploid chromosome no. of Gladiolus is:
a) 14 b) 30
c) 60 d) 90
104. Closely related colours are also known as:
a) Contrasting b) Complimentary
 c) Analogous d) None
105. Rainy season annuals are sown in nursery during:
a) April b) June
c) August d) February
106. Which of the climber is used as climber, shrub or plant?
 a) Bougainvillea b) Tecoma stans
c) Golden Showers d) Ficus ripens
107. No. one cut flower in the world is:
 a) Rose b) Gladiolus
c) Carnation d) Tulip
108. Suryakiran is important cultivar of:
 a) Hippeastrum b) Hollyhock
c) Portulaca d) Anthrimum
109. Mahatama Gandhi is important cultivar of:
 a) Chrysanthemum b) Rose
c) Gladiolus d) Marigold
110. Corm size of Gladiolus is:
a) 2.5 cm b) 5.0 cm
c) 7.5 cm d) 10 cm
111. Fruit of rose is known as:
a) Achene (seed) b) Rose Hip
c) Gullakand d) Berry (type of fruit)
112. Origin of Cactus and succulents:
 a) America b) South Americ
c) Asia d) Africa
113. Lagerstromieia speciosa bearscoloured flow

114. Sleepiness is physiological disorder of:
 a) Red Mauve (pale purple) Pink Blue
 a) Rose b) Gladiolus
115. Y2K is important cultivar of:
 Carnation d) Lilium
 a) Chrysanthemum b) Bougianvillea
 c) Marigold d) Gladiolus
116. In Japanese language flat gardens are known as:
 Hira-niwa b) Roja-niwa
 c) Ryonji d) Rathai-seki
117. Most hardy annual plant is a:
 a) Oxalis b) Stock
 c) Sylvia Digitalis
118. Which one is an annual climber?
 a) *Pyrostegia venusta* b) *Ficus ripens*
 c) *Quisqualis indica* Sweet Pea
119. Flower colour of Kochia is: (it is foliage plant)
 Pink-Red b) White
 c) Blue None
120. Moorish garden were which kind of gardens?
 Spanish b) English
 c) French d) Italian
121. Prevention of Food Adulteration Act (PFA) was enforced in:
 a) 1949 1954
 c) 1955 d) 1963
122. Temperature of liquid nitrogen is for cryopreservation is:
 -196°C b) -140°C
 c) -43°C d) -18°C
123. Mycorrhizae generally provide which mineral to plants?
 a) Nitrogen b) Calcium
 c) Potassium Phosphate
124. Syruping is important step in canning used for:
 Fruits b) Vegetables (Brenley)
 c) Pickles d) All of above
125. Which preservative is not used for colour fruit products?
 SO₂ b) Benzoic Acid (colour)
 c) Sugar (class 2 preservative) d) None
126. Central Food Laboratory is situated at:
 a) Nagpur Calcutta
 c) Delhi d) Mumbai
127. Trade name of Alachor is:
128. Almost Blue colour rose cultivar is:
 Lasso b) Macher (Plutack)
 c) Basalin (*fluctolatin*) d) Hyver-X (*bromaxi*)
129. Fruit which is rich source of Vitamin-A is:
 Samba d) Abhisarika (mudant *leaf of B*)
 a) Molhini (chocolate) b) Priya (multicolour)
130. Nitrogen present in CAN is:
 25% d) 32%
 a) 16% (SSP) b) 20%
131. Citrus Fruit having mallic acid is:
 a) Sweet Orange Sweet Lime
 c) Lemon d) Kagzi Lime
132. Which fruit shows vegetative Parthenocarpy?
 a) Banana b) Fig
 c) Litchi (*is mullakhu*) Both a & b
133. Pollination in walnut is by:
 Wind -b) Insect
 c) Birds d) Both a & b
134. Edible part of Sapota is:
 a) Endocarp Mesocarp
 c) Epicarp d) Pericarp
135. Famous cultivar of mango for pickle use is:
 a) Bombay Green b) Swarnrekha
 c) Ramkela d) Totapuri
136. Sai Suganda is famous cultivar of:
 Mango b) Litchi
 c) Lemon d) Peach
137. ELISA Test in banana is used in screening of:
 a) Fungus Virus
 c) Bunchy Top (*Tetragelium*) d) Aphids
138. Hermaphrodite variety of Papaya is:
 a) Sunrise Solo b) Surya
 c) Coorge Honey Dew d) CO-3
139. Parthenocarpic cultivar of Guava is:
 Lucknow-49 b) Allahabad Safeda
 c) Allahabad Round d) Allahabad Surkh
140. Which one is manmade hybrid:
 a) Atemoya b) Strawberry
 c) Lemon Both a & b
141. Chromosome no. of persimmon is:
 a) 56 90
 c) 60 d) 48
142. Rootstock for HDP in citrus is:
 a) Rangpur Lime b) Trifoliolate Orange

... .. yet selling, gny. (limiting factor)

143. Which is indicator for Citrus canker?
 a) Troyer Citrange d) Fying Drago
 b) Acid Lime (*Citrus canker*) b) Kagzi Lime (*tristhiza*)
c) Tahti Lime (*mplead*) d) Sweet Lime
144. Pruning intensity of cultivar Blue, Bokhri of grapes is:
 a) 3-4 Buds b) 6-7 Buds
c) 8-10 Buds d) 10-14 Buds
145. Which fruit crop has Mycorrhizal root network?
a) Pomegranate b) Litchi
c) Mango d) Banana
146. First Processed fruit in the human civilization:
 a) Fig b) Grape
c) Apple d) Apricot
147. Which fruit is commonly known as Fruit of New World?
 a) Mangosteen (*finest fruit of world*) b) Jackfruit
 c) Avocado d) Passion Fruit
148. Which cultivar of date palm is developed by Somatic Embryogenesis?
a) Khadrawy b) Medjool
c) Halawy d) Both a & b
149. What is scientific name of Rose Apple?
 a) *Syzygium jambos* b) *S. uniflora*
c) *S. cumini* d) *S. densiflora*
150. Which one is Subtropical evergreen fruit?
a) Peach b) Plum
c) Apricot d) Loquat
- Match the Following
151. 1. Runner a) Date Palm 2
2. Offsets b) Orchids 5
3. Suckers c) Turneric 4
4. Rhizome d) Banana 3
5. Tissue Culture e) Strawberry 1
152. 1. HSR a) Jodhpur 5
2. IIVR b) Kottayam 4
3. IIHR c) Varanasi 2
4. RRII d) Bangalore 3
153. 1. Photolysis
2. N₂ Fixation
3. Releasing of Oxygen
4. Ethylene Production
5. Photosynthesis & Respiration
154. 1. Fat
2. Iron
3. Riboflavin
4. Vitamin-C
5. Protein
155. 1. Actinidaceae
2. Rubiaceae
3. Sterculiaceae
4. Spindaceae
5. Spotaceae
156. 1. Coconut
2. Date Palm
3. Banana
4. Pineapple
5. Mango
157. 1. Litchi
2. Beal
3. Cashew
4. Custard Apple
5. Guava
158. 1. Whiptail
2. Marsh Spot
3. Blotchy Ripening
4. Blossom End Rot
5. Akashin
159. 1. Acorin
2. Solanin
3. Sinigrin
4. Diosgenin
5. Vanillin
160. 1. Cumin
2. Saffron
3. Black Pepper
4. Fennel
5. Turmeric
- e) Calicut 1
a) Fe 1
b) Cl 2
c) Cu 3
d) Mo 4
e) Mn 5
a) Beal 3
b) Cashew 5
c) Aonla 4
d) Karonda 2
e) Walnut 1
a) Coffee 2
b) Cocoa 3
c) Sapota 5
d) Litchi 4
e) Kiwi 1
a) 32 1
b) 33 3
c) 36 2
d) 50 4
e) 40 5
a) Peru 5
b) South China 1
c) Tropical America 4
d) India 2
e) Brazil 3
a) K 3
b) Ca 4
c) Mn 2
d) Mo 1
e) B 2 5
a) Vanilla 5
b) Fenugreek 4
c) Cabbage 3
d) Potato 2
e) Sweet Flag 1
a) Kerala 3
b) J&K. 2
c) Gujarat 4
d) Andhra Pradesh 5
e) Rajasthan 4

Thur konal - Karonda

Thur divya - Baal

Thur Bitung - Kribas (root check for sapot)

Thur pake - Anouli

