

135. Alternate bearing habit is found in a. Mango b. Apple c. Date palm d. All of the above
136. Vegetative parthenocarpy is found in a. Grape b. Litchi c. Fig d. None
137. Stenospermocarpy is found in a. Grape b. Litchi c. Fig d. Pineapple
138. Polyembryony is found in a. Banana b. Fig c. Mango d. Grape
139. Parthenogenesis is found in - a. Mangosteen b. Jamun c. Citrus d. Grape
140. Inflorescence type of Pomegranate is a. Solitary b. Racemose c. Cymose d. Hypanthodium
141. Inflorescence type of Banana is a. Racemose b. Spadix c. Cymose d. None.
142. Fruit necrosis is the physiological disorder found in  
a. *Malus pumila* b. *Prunus armeniaca* c. *Phyllanthus emblica* d. all the above
143. Which of the following crop requires subtropical climate  
a. Cherimoya b. Aonla c. Sour sop d. Both a & b
144. Bullock's heart is botanically a. *Annona muricata* b. *A. squamosa*  
c. *A. reticulata* d. *A. diversifolia*
145. Which of the following aonla variety is alternate bearing in nature  
a. Banarasi b. Chakaiya c. Kanchan d. Francis
146. Stone fruits is the physiological disorder found in  
a. Aonla b. Custard apple c. Apple d. Both a & b
147. Lakshman Phal is a. *A. reticulata* X *A. cherimoya* b. *A. cherimoya* X *A. reticulata*  
c. *A. cherimoya* X *A. squamosa* d. *A. squamosa* X *A. cherimoya*
148. White annona is scientifically a. *A. squamosa* b. *A. reticulata* c. *A. muricata* d. *A. diversifolia*
149. Which among the following is the natural hybrid of Annona a. Arka Sahana b. African Pride  
c. Israeli selection d. All the above
150. Self incompatibility is present in a. Almond b. Apple c. Aonla d. All the above
151. Mechanism that favours cross pollination in Annonas a. Self Incompatibility b. Dichogamy  
c. Heterostyly d. All of these
152. Flowering in custard apple is a. Terminal b. Axillary c. Cauliflorous d. both
153. Fruit dormancy is present in a. Aonla b. Annona c. Apple d. Almond
154. Which among the following cultivars susceptible to fruit necrosis  
a. Francis b. Chakariya c. Banarasi d. Both a & b
155. Which among the following is evergreen in nature  
a. *Embllica officinalis* b. *Annona squamosa* c. *Annona muricata* d. both b & c

156. Time of fruit bud differentiation in anola  
 a. Sept-Oct b. March-April c. Dec-January d. None of the above
157. Botanically Annona fruits are  
 a. Aggregate fruit b. Multiple fruit c. Etaerio berries d. Both a & c
158. Annonas are a. Self pollinated b. Cross pollinated c. Often cross pollinated d. Both b & c
159. Largest annona is a. Custard apple b. Cherimoya c. Sour soup d. Atemoya
160. Custard apple produces crop in South India during  
 a. Sept-Nov b. Aug-October c. Both a& b d. None of the above
161. Which fruit crop rich in the calcium content  
 a. Cashew nut b. Date palm c. Karonda d. Litchi
162. Which among the following thrives well in calcareous soil a. Aonla b. Annonas c. Almond d. Apple
163. Fruit type in anola is a. Simple fruit b. Drupe c. Multiple fruit d. Both a& c
164. Scientific name of Almond is  
 a. *Prunus communis* b. *P. armeniaca* c. *P. domestica* d. *P. amygdalis*
165. Almond belongs to the group a. Pome fruits b. Stone fruits c. Nut fruits d. Both b & c
166. Type of fruit in almond is a. Berry b. Drupe c. Hesperidium d. Syconus
167. Edible portion of almond is a. Thalamus b. Cotyledon c. Pericarp d. Both a & b
168. Optimum temperature for fruit setting in apple is a. 12-18°C b. 18-20°C c. 21-26 °C d. 25-30 °C
169. Nugget is a variety of a. Almond b. Apple c. Apricot d. None
170. Non parel and Makhdoom are varieties of a. Almond b. Apple c. Apricot d. None
171. Botanically apple fruit is a. False fruit b. True fruit c. Pome d. Both a & c
172. Ambri is variety of a. Almond b. Apple c. Apricot d. None
173. Variety is resistant to apple scab a. Prima b. Pricilla c. Liberty d. All the above
174. Chaubattia Princess and Chauabattia Anupam are hybrids of apple having parentage as  
 a. Red delicious X Ambri b. Ambri X Red delicious c. Early shanburry X Red delicious d. Red delicious X Early shanburry
175. Ambri is a variety of apple belongs to season of a. Early b. Mid c. Late d. None of the above

176. Chaubattia Alankar and Chaubattia Madhu are hybrids of a. Almond b. Apple c. Apricot d. None
177. Chilling requirement for apple is a. 500-1000 hr, less than 7 °C b. 300-900 hr, less than 7 °C c. 1000- 1200 hr, less than 7 °C d. 200-800 hrs, less than 7 °C
178. Chilling requirement for apricot is a. 500-1000 hr, less than 7 °C b. 300-900 hr, less than 7 °C c. 500-1000 hr, less than 7 °C d. 200-800 hrs, less than 7 °C
179. Origin of wild apricot is a. North-Eastern China b. India c. Afganistan d. None of the above
180. Popular training system in apricot is a. Central leader b. Modified central leader c. Open vase d. All the above
181. Fruit thinning in apricot is done by application of a. 25-50 ppm NAA b. 25-50 ppm GA c. 25-50 ppm Ethrel d. All the above
182. *Amygdalus communis* is scientific name of a. Almond b. Apple c. Apricot d. Pineapple
183. New castle and Moonpark are varieties of a. Almond b. Apple c. Apricot d. Pineapple
184. Apricot is a. a. Pome fruit b. Stone fruit c. Nut fruit d. None
185. Which of the following is the dwarfing is the dwarfing root stock of apple a. M-4 b. M-7 c. M-9 d. All the above
186. Which among the following apple varieties require low chilling? a. Tamma b. Vered c. Neoni d. All the above
187. Winter banana is a variety of a. Almond b. Apple c. Apricot d. Pineapple
188. Common method of propagation of clonal rootstocks in apple a. Stem cutting b. Mound layering c. Softwood grafting d. All the above
189. Which among the following is not self pollinating apple variety a. Golden delicious b. Red delicious c. Macintosh d. Northern Spy
190. Which among the following is not flowering crab variety? a. Red flush b. Yellow Drop c. Snow Drift d. Liberty
191. Crab apple is botanically a. *Malus pumila* b. *Malus buccata* c. *Malus floribunda* d. None.
192. Mango malformation resistant cultivar is a. Lal sundari b. Basrai dwarf c. Bahaduran d. Trifoliolate Orange

193. Which among the following is not a spur type mutant of apple  
 a. Star Crimson      b. Red chief      c. Red spur      d. Top red
194. June drop in apple is due to  
 a. Lack of pollination    b. Fruit competition    c. Moisture stress    d. All the above
195. Bitter pit of apple is due to deficiency of    a. Ca    b. B    c. Zn    d. Cu
196. Mode of pollination in Banana is a. Entomophilous    b. Animophilous  
 c. Ornithophilous      d. All
197. Jonathan spot in apple is associated with  
 a. Ca deficiency      b. B deficiency      c. Water deficiency    d. Cu deficiency
198. Black heart of apple is due to  
 a. Water deficiency    b. Ca deficiency    c. Low temp.      d. B deficiency
199. Water core of apple is due to a. Water deficiency    b. Excess water    c. Low temp.    d.  
 High temp.
200. Sporophytic Self incompatibility is present in  
 a. Almond    b. Aonla    c. Apple    d. Apricot
201. Which of the following apple variety has longest shelf life?  
 a. Golden Delicious    b. Red Delicious    c. Ambri    d. Yellow Newton
202. Apple variety indigenous to Northern India is  
 a. Ambri    b. Rymer    c. Both a & b      d. None of the above
203. Most susceptible variety for bitter pit of apple is  
 a. Golden delicious    b. Yellow Newton    c. Both a& b    d. None of the above
204. St. Ambrose is variety of    a. Almond    b. Apple    c. Apricot    d. None
205. Akbar is variety of    a. Almond    b. Apple    c. Apricot    d. None
206. Which is the mother of all Delicious Group?  
 a. Red Delicious    b. Golden Delicious    c. Yellow Delicious    d. None of the above
207. Which apple variety is resistant to wooly aphid    a. Northern Spy    b. MM-106    c. MM-  
 111    d. All the above
208. Which of the following is not a late variety of apple    a. Red Delicious    b. Yellow  
 Newton    c. winter banana      d. Lal Ambri
209. Apomictic root stocks of apple is a. *Malus sikkimiensis*    b. *Malus longoides*    c. *Malus  
 hupenhensis*    d. All the above
210. Triploid variety of apple is    a. Grammy Smith    b. Baldwin    c. Ambri    d. Red  
 Delicious

211. Tropical Beauty and Perlin are varieties of a. Almond b. Apple c. Apricot d. None of the above
212. Which of the following variety is susceptible to scab a. Star King Delicious b. Sir Prize c. Freedom d. Florina
213. Origin of custard apple is a. South-Eastern Asia b. Tropical America c. China d. India
214. Root stock for apricot propagation is a. Zardalu b. Crab c. Chuli d. All the above
215. Edible part of apple is a. Mesocarp b. Thalamus c. Endocarp d. All the above
216. Which is the low chilling variety of apple a. Florida sun b. Florida red c. Tropical beauty d. All the above
217. Kanchan is a chance seedling of Aonla derived from a. Foster b. Krishna c. Banarasi d. Chakaiya
218. San Jose Scale got entry in India from a. England b. France c. Sri Lanka d. USA
219. Largest apple producing state is a. Jammu & Kashmir b. Himachal Pradesh c. Uttar Pradesh d. Uttaranchal
220. Most popular apple variety of India is a. Golden Delicious b. Red Delicious c. Ambri d. Red Gold
221. Apple scab is due to a. Bacteria b. Fungus c. Phytoplasma d. None
222. Apple scab disease caused by a. *Alternaria* sp b. *Venturia inequalis* c. *Phytophthora infestans* d. None
223. San jose scale is a. *Dendroix isocrates* b. *Eriosoma lanigerum* c. *Quadraspidioluts pernicious* d. None
224. Woolly aphid is a. *Eriosoma lanigerum* b. *Quadraspidioluts pernicious* c. *Pseudococcus* sp d. None
225. Which among the following is rich in carbohydrates a. Dry apricot b. Almond c. Aonla d. Apple
226. Which among the following is rich in Vitamin C a. Apricot b. Almond c. Cherry d. Apple
227. Which among the following is rich in Phosphorous? a. Apricot b. Almond c. Annona d. Apple
228. CIQH is located at a. Bikaner b. Srinagar c. Lucknow d. Ludhiana

229. CITH is located at a. Bikaner b. Srinagar c. Lucknow d. Ludhiana
230. Which of the following is secondary nutrient a. Ca b. Mg c. S d. All the above
231. Which is the beneficial element a. Mo b. Na c. Co d. Both b & c
232. Which is immobile element in plant a. Zn b. Ca c. B d. Both b & c
233. Elements useful in energy storage a. N b. S c. P d. All the above
234. Vitamin C content in Guava is highest in fruit peel at which stage?  
a. Immature b. Fully ripe c. Mature d. At all stages
235. Botanical name of strawberry Guava  
a. *P. cettelianum* b. *P. guineense* c. *P. pomiferum* d. *P. guajava*
236. Hanuman phal is a. *Annona squamosa* b. *Annona atemoya* c. *Annona cherimola* d. *Annona reticulata*
237. Balanagar is variety of a. Aonla b. Annona c. Apple d. None
238. Mammoth is a variety of a. *Annona squamosa* b. *Annona reticulata* c. *Annona atemoya* d. *Annona cherimola*
239. Which fruit plant is allogamous a. Litchi b. Mangosteen c. Dwarf Coconut d. None
240. Vitamin C content in Aonla per 100g fruits is a. 300 mg b. 800 mg c. 400 mg d. 600 mg
241. Aonla belongs to the family a. Apocynaceae b. Euphorbiaceae c. Rhamnaceae d. Myrtaceae
242. Time of fruit bud differentiation in Aonla is  
a. Feb-Mar b. Apr-May c. Mar-Apr d. May-Jun
243. Synonymous of *Citrus grandis* is  
a. *Citrus paradisi* b. *Citrus limon* c. *Citrus latifolia* d. *Citrus maxima*
244. Which is a species suitable for cross protection technique in citrus for citrus Tristeza virus disease  
a. Rangapur lime b. Kagzi lime c. Tahiti Lime d. Sweet lime
245. Virus free planting material in citrus can be produced by  
a. Chemo therapy b. Thermo therapy c. Micro grafting d. All of these
246. Seeded Banana follows the  
a. Single sigmoid growth curve b. Double sigmoid growth curve  
c. Triple sigmoid growth curve d. Both A & B
247. After cutting the plants tips, lateral branches grows fastly due to  
a. Apical Dominance b. Removal of Apical Dominance c. Removal of GA d. Removal of Kinetin

248. White pulp mango species is a. *M. caesia* b. *M. similis* c. *M. oblongifolia* d. *M. pajang*
249. In which Mango spp fruits can be peeled like banana fruits a. *M. caesia* b. *M. gedede* c. *M. decandera* d. *M. pajang*
250. Sai Sugandha is the Mango variety released from a. BSKKV, Dapoli b. Dr.PDKV, Akola c. MPKV, Rahuri d. MAU, Parbhani
251. International network for the improvement of Banana and plantain (INIBAP) located at a. USA b. India c. France d. China
252. "Lady finger" Banana cultivar belong to which genomic group a. AAB b. AB c. ABB d. AA
253. The Citrus Canker disease of Lemon was introduced in India from a. Mexico b. USA c. Japan d. Argentina
254. Trees or Plants which dies after once flowering & fruiting is called a. Bicarpic b. Monocarpic c. Monoecious d. None
255. Chicken and Hen-disorder is due to a. High temperature, moisture deficiency and higher transpiration after flowering and fruit set b. N & P deficiency c. High C: N ratio d. All of the above
256. The mono-embryonic citrus group is a. Mandarin b. Grape fruit c. Pummelo d. Lime
257. According to kostermans and Bompard (1993) the no. of species of uncertain origin in genus *Mangifera* is a. 9 b. 11 c. 13 d. 15
258. Grape root stock 1613 is hybrid of a. *Vitis solonis* X **Othelo** b. *Vitis champini* X Othelo c. *Vitis solonis* X *Vitis champini* d. Othelo X *Vitis solonis*
259. Which of the following fruit has maximum life on tree before ripening a. Sapota b. Aonla c. **Avacado** d. Mamey sapota
260. Which of the following is the third generation of Floridan mango a. **Haden** b. Irwin c. Zill d. Ruby
261. Sister seedling of Arka Kanchan grape a. Arka Trishna b. **Arka Soma** c. Arka Krishna d. Arkavati
262. Photoblastic seed germination is observed in a. Raspberry b. Blueberry c. **Walnut** d. Pecanut
263. Apart from grape early rain is also harmful in cultivation of a. Strawberry b. Pomegranate c. Lemon d. **Datepalm**
264. Northern Spy variety of apple is highly susceptible to a. Water core b. Russeting c. **Bitter pit** d. Woolly aphid

265. Profiche is related to spring crop of which fruit crop a. Fig b. Longan c. Persimon  
d. Avacado
266. Putative tetraploid mango variety is a. Gomera-I b. Kurukkan c. Villaikolumban  
d. None of these
267. Malus floribunda is ideal polliniser because a. Abundent pollens b. Resistant to scab  
c. long flowering d. All of these
268. Which variety of Peach is clonal selection a. Flordared b. Sunred c. Sharbati d.  
None of these
269. Black nose of date palm occurs in which stage of development a. Chimi b. Dang c.  
Doka d. Tomari
270. Stemen carpelloidy associated to a. Papaya b. Mango c. Grape d. Banana
271. "Pick your own" concept associated with which crop a. Apple b. Pear c. Dewberry  
d. Strawberry
272. Papain quality tested by a. Tyrosine test b. Papino meter c. Iodine test d. None of  
these
273. Sapota hybridization programme first started in India at a. HRS, Periakulam b.  
TNAU, Coimbtore c. IARI, New Delhi d. JAU, Junagadh
274. 'Dehorning' technique developed in which variety of mango a. Dashehari b.  
Amrapalli c. Arka Punit d. Totapuri
275. 'Mill's infection period' related to a. Apple scab b. Wooly apple aphid c. Apple  
canker d. None of these



## ICAR – SRF 2014 question paper, Memory based (13-4-2014)

1. Calculation of inflation in India is based on  
a) Wholesale price index b) Consumer price index c) Retail price index d)
2. The Novel 'Pride and Prejudice' written by Jane Auston
3. Tranferable but not tradable.....a) **Banks** b) shares
4. The seed oil which can be used in oil drilling  
a) Lin seed b) Mentha c) guar gum d) Eucalyptus
5. World food day – **Oct 16<sup>th</sup>**
6. Now, FDI is permitting which sector in to consideration a) **Rail** b) housing
7. The weight of 1000 seeds is called **Test weight**
8. Sea cucumber is a  
a) Algae b) fruit c) Vegetable d) **animal**
9. How many times in a day, the two hands in the clock will be at right angle  
a) 12 times b) 24 times c) 36 d) 48
10. When 3 unbiased coins are tossed,, what is the probability of getting 2 tails  
a) half b) one forth c)  $3/8$  d)  $7/8$
11. Directorate of plant protection, quarantine and storage is located at **Banglore**
12. Day neutral plant- **Tomato**, wheat, oat, tobacco
13. NFSM mainly focuses on **Food grains coarse cereals and pulses**, millets, oil seeds,  
none
14. MSP for food grains supported by **CACP**
15. Highest area under mangrove cover - **West Bengal**, Orissa, TN, Kerala
16. Foot and mouth disease in cattle is caused by **Virus**
17. Kesar dal consumption was banned due to **Lathyrism**
18. RKVY aims at increasing the agri growth rate at **4%**
19. A is the sister of B , B is the father of C ; C is the brother of D; what is the relation of  
D to B - **Nephew**
20. Moonlight was due to Nuclear fusion, Nuclear fission, **Reflection of sunlight**,  
burning of gases
21. ASRB was recommended by **Gajendra Gadker Committee**
22. Plucking interval in Tea – **every week**
23. Propagation in rubber **Brown budding**
24. Pre bearing period of palmyrah palm .....??

25. Time taken by cocoa seed to germinate - **1 week**
26. Removal of male and female flowers in the initial years of oil palm is called **Ablation**
27. Mesocarp is highest in which variety of oilpalm - **Tenera ( Dura x Pisifera)**
28. Quality standard for international grading and marketing of spicea - **AGMARK**
29. Economic part of saffron - **Pistil**
30. Time taken for seed germination in cardamom - **1 month**
31. Economic life span of cardamom- **8-10 years**
32. Gynodioecious papaya variety - **Pusa majesty, Pusa Nanha, Pusa Dwarf, Pusa Gaint**
33. Leading producer of turmeric in India - **Andhra Pradesh**
34. The structure in flower prevents natural pollination in vanilla - **Rostellum**
35. Harvest index of pods for vanilla - **Pale yellow discoloration at the distal end of the pod**
36. Not a variety of Tamarind -Prathisthan, PKM-1, Urigam, **KKM-1**
37. Crop duration of cumin - **110 -115 days**
38. Single cardamom clone is not recommended because - Self incompatibility , Katte disease, Azhukal , none ?
39. Economic part of clove - Immature flower bud, Mature flower bud, seed, fruit ?
40. Harvesting of roots in safed musli will be done after - 1 year, 2 years, 5 months, 10 months ?
41. Indian ginseng is the common name of **Aswagandha**
42. Aromatic crop with maximum area in India - Mint, Lemon grass, Rosemary, Palmarosa?
43. The plant widely used in aromatherapy - Vetiver, Lemon grass, Rosemary, Eucalyptus ?
44. Improved variety of Lemon grass ??
45. The sps of Ocimum which belongs to Basilicum group ??
46. The following lavender sps with highest quality of essential oil ??
47. *in vitro* conservation of coconut is through the storage of Embryo, Endosperm, Leaf bits, copra ??
48. Root wilt resistant variety of coconut - **Kalparaksha**
49. Harvest index of coriander seed ??
50. Aromatic principle in palmarosa
51. Natural sweetner - **Stevia**
52. Haryesting for the CHALI in arecanut is done at 8 months, 9,12,14