

# UNIVERSITY OF AGRICULTURE, FAISALABAD

## INSTITUTE OF HORTICULTURAL SCIENCES

### MCQs QUESTION BANK FOR GAT-GRE TEST

- Type of dormancy due to factors within an embryo is known as
  - Endogenous**
  - Exogenous
  - Combination of both
  - None of above
- During stratification, the most important factor is
  - Temperature
  - Duration
  - Media
  - All above**
- Seed vigor is affected by
  - Time of storage
  - Type of seed
  - Storage environment
  - All above**
- Deciduous plants are mostly grown in
  - Hilly areas**
  - Plains
  - Along rivers
  - None of these
- Vine means climbing/trailing plants with a
  - Herbaceous stem**
  - Woody stem
  - Both a and b
  - None of these
- Monoecious plants have male and female flowers/floral parts on
  - Same plant**
  - Different plants
  - Both a and b
  - None of these
- True fruits are developed from
  - Ovary**
  - Thalamus
  - Pericarp
  - All of these
- Drupe fruits have all the three ovarian layers
  - Fused
  - Separated**
  - Mixed
  - None of these
- Mango is a
  - Drupe fruit**
  - Pome fruit
  - Berry fruit
  - Aggregate fruit
- Citrus is a special type of \_\_\_\_\_ called hesperidium.
  - Berry**
  - Pome
  - Drupe
  - None of these
- In binomial nomenclature system, first name is always
  - Generic name**
  - Specie name
  - Family name
  - Sub-Family name
- Cultivar means
  - Cultivated variety**
  - Discarded variety
  - Rejected variety
  - Approved variety
- Vitamin A is effective against
  - Night blindness**
  - Beriberi disease
  - Gum problems
  - None of these

14. Fertigation refers to the application of fertilizer with
  - a. Irrigation Water
  - b. Rain
  - c. Both a and b
  - d. None of these
15. Through drip we can provide
  - a. Water
  - b. Fertilizer
  - c. Both a and b
  - d. None of these
16. Auxin destruction activities are inhibited by
  - a. Blue light
  - b. Red light
  - c. Green light
  - d. None of the above
17. First and the heaviest flower drop in fruit plants occurs due to
  - a. Structural defects in the flowers
  - b. Lack of pollination
  - c. Non-fertilization
  - d. All above
18. Salient factors which contribute to the fruit drop are
  - a. Embryo abortion
  - b. Number of Seeds per fruit
  - c. Moisture supply
  - d. All above
19. Dormancy can be broken using
  - a. Thiourea
  - b. Ethylene chlorohydrin
  - c. Ethylene acetylene
  - d. All above
20. Word pomum means
  - a. Fruit
  - b. Vegetable
  - c. Flower
  - d. None of these
21. Basic chromosome number of Citrus is
  - a. 8
  - b. 9
  - c. 10
  - d. 11
22. Parthenocarpy refers to
  - a. Seedless fruits
  - b. Fruit without pollination
  - c. Seeds without pollination
  - d. Both a and b
23. Date palm leaf is a compound leaf which is technically called as
  - a. Frond
  - b. Pinna
  - c. Spathe
  - d. None
24. \_\_\_\_\_ a monocot but dioecious fruit tree.
  - a. Banana
  - b. Pomegranate
  - c. Date palm
  - d. Papaya
25. \_\_\_\_\_ a dicot and dioecious fruit tree.
  - a. Papaya
  - b. Date palm
  - c. Mango
  - d. Banana
26. \_\_\_\_\_ is a monocot and monoecious fruit plant.
  - a. Banana
  - b. Papaya
  - c. Date palm
  - d. None
27. Tree fruits can tolerate a soil pH ranging from
  - a. 4.0-8.0
  - b. 5.0-8.0
  - c. 5.5-8.0
  - d. 5.5-8.5

28. Water potential in a rhizosphere is measured with
- Tensiometer
  - Hygrometer
  - pH meter
  - Thermometer
29. Grape plant is technically called as
- Liana
  - Vine
  - Creeper
  - Bush
30. Guava plant is technically categorized as a
- Bush
  - Tree
  - Herb
  - None
31. Citrus belongs to sub-family
- Citreae
  - Clausneae
  - Aurantioideae
  - Rutaceae
32. Apple fruit develops from
- Thalamus
  - Ovary
  - Ovule
  - Pedicel
33. A complete flower has \_\_\_\_\_ number of floral whorls
- 5
  - 3
  - 2
  - 4
34. Citrus seeds are
- Polyembryonic
  - Apomictic
  - Monoembryonic
  - Both a and b
35. Apomictic seedlings are also called as
- Nucellar seedlings
  - Sexual seedlings
  - Embryonic seedlings
  - None
36. Seed of strawberry fruit is
- Achene
  - True seed
  - Viable seed
  - Aborted seed
37. Mulberry is a \_\_\_\_\_ type of fruit
- Multiple
  - Berry
  - Aggregate
  - Peppo
38. The largest fruit plants containing family is
- Rosaceae
  - Rutaceae
  - Myrtaceae
  - Vitaceae
39. Chilling injury in plants normally occurs at a temperature
- 0-4°C
  - 0-6°C
  - 0-10°C
  - <10°C
40. Both Mango and Pistachio belongs to family
- Anacardiaceae
  - Mangiferae
  - Rosaceae
  - None
41. Date palm is also called as
- Feather palm
  - Wild palm
  - Century palm
  - Domestic palm

42. Green and hard stage of date palm fruit is known as \_\_\_\_\_.
- Kimri
  - Rutab
  - Doka
  - Dung
43. Date fruit for curing is harvested at \_\_\_\_\_ stage.
- Rutab
  - Tamar
  - Dung
  - None
44. Banana inflorescence is called as \_\_\_\_\_.
- Finger
  - Hand
  - Heart
  - None
45. Peaches belongs to family
- Rosaceae
  - Rutaceae
  - Palmaceae
  - None
46. Kumquat fruit is edible
- Whole fruit
  - Without peel
  - With seed
  - None
47. Common rootstock for citrus in Punjab is
- Rough lemon
  - Sour orange
  - Sweet orange
  - Sweet lime
48. Pruning is a regular practice in date palm variety
- Hillawi
  - Khudrawi
  - Deglet Noor
  - Hillini
49. Excess of N in citrus plants may cause
- Leaf drop
  - Lodging
  - Flower drop
  - Fruit drop
50. Alternate bearing is a problem in following fruit crops
- Mango
  - Apple
  - Citrus
  - All of above
51. Citrus can tolerate a pH level up to
- 9.5
  - 8.5
  - 6.5
  - 4.5
52. Male inflorescence of Cashew nut and Walnut is called
- Catkin
  - Rachis
  - Cyme
  - None
53. Apple bears on
- Shoots
  - Sprigs
  - Spurs
  - Twigs
54. Bearing habit of mango is
- Terminal
  - Lateral
  - Axillary
  - Basal
55. Polyembryony means
- One embryo
  - More than one embryo
  - More than two embryos
  - Aborted embryo
56. Quince is a common rootstock for
- Peach
  - Plum

- c. Pear
  - d. Pomegranate
57. Perianth in monocots is the \_\_\_\_\_ part of the flower.
- a. Reproductive
  - b. Non-reproductive
  - c. Sporophytic
  - d. None
58. Chimera refers to
- a. Somatic cell fusion
  - b. Gametic cell fusion
  - c. Undifferentiated cell
  - d. None
59. Senescence is a stage of
- a. Tissue decay
  - b. Tissue multiplication
  - c. Tissue vigour
  - d. Tissue ripening
60. Rest is a natural process in
- a. Seed
  - b. Plant
  - c. Both a and b
  - d. None
61. Dormancy in plant and seed is mainly due to
- a. Environmental factors
  - b. Physiological factors
  - c. Both a & b
  - d. None
62. Petiole is the main part of
- a. Flower
  - b. Leaf
  - c. Inflorescence
  - d. Twig
63. Micropyle is an opening in the
- a. Stomata
  - b. Seed
  - c. Ovary
  - d. Pollens
64. Recommended matrix height in citrus is
- a. 4 inches
  - b. 6 inches
  - c. 9 inches
  - d. 12 inches
65. Common rootstock used for sweet orange in NWFP is
- a. Sour orange
  - b. Rough lemon
  - c. Citrumelo
  - d. None
66. Berry splitting in citrus and strawberry is due to
- a. High temperature
  - b. Low moisture
  - c. More sunlight
  - d. High air pressure
67. Most of the mango varieties of Pakistan are
- a. Monoembryonic
  - b. Polyembryonic
  - c. Apomictic
  - d. None
68. Asexually apple rootstock is raised by
- a. Grafting
  - b. Budding
  - c. Stooling
  - d. Layering
69. Lemons and limes can be propagated by
- a. Layering
  - b. Cuttings
  - c. a & b
  - d. None
70. Common rootstock for apple in Pakistan is
- a. M-7
  - b. M-9
  - c. Crab apple
  - d. Sky spur

71. Systematic pomology deals with
- Commercial fruit production
  - Nomenclature**
  - Domestic production
  - Export production
72. The genus Fortunella includes
- 7 spp.
  - 6 spp.
  - 5 spp.
  - 4 spp.**
73. Genus Poncirus has
- 1 spp.**
  - 3 spp.
  - 6 spp.
  - 16 spp.
74. Best time of propagation of fruit plants in sub-tropical region is
- Spring season
  - Spring & rainy season**
  - Summer season
  - Summer and autumn season
75. Major insect attacking the summer crop of guava is
- White fly
  - Aphids
  - Fruit fly**
  - Drosophila
76. A self-supporting vine type stem is called
- Vine
  - Shrub
  - Herb
  - Liana**
77. Edible part of the pomegranate is
- Seed
  - Vesicles
  - Mesocarp
  - Aril**
78. Apple and pear are classified as \_\_\_\_\_ fruit.
- Drupe
  - Pome**
  - Berry
  - Hesperidium
79. Strawberry is a \_\_\_\_\_ fruit.
- Multiple
  - Achene
  - Berry
  - Aggregate**
80. Unfertile stamens of mango are called
- Sterile
  - Indehiscent
  - Staminodes**
  - Pistilloids
81. Wild date (*Phoenix sylvestris*) is important due to
- Nutritious fruit
  - Sweetness of fruit
  - Sugar production
  - Medicinal value**
82. In Date palm commercial propagation is done by means of
- Suckers**
  - Seeds
  - Off shoots
  - None
83. Banana fruit bunch is called
- Hand**
  - Heart
  - Finger
  - All of above
84. Banana propagation is carried out through
- Sword sucker**
  - Water suckers
  - Aerial suckers
  - All of above
85. Grape and Strawberry are \_\_\_\_\_ fruit.
- Non-climacteric**
  - Climacteric

- c. Recurrent climacteric
  - d. All of above
86. Salt tolerant fruit plants include
- a. Date and Ber
  - b. Ber and Guava
  - c. Both a & b
  - d. Citrus and Mango
87. Adopted planting system of orchards in Pakistan is
- a. Square system
  - b. Rectangular system
  - c. Hexagonal system
  - d. All of above
88. Jaman has a medicinal value against
- a. Diabetes
  - b. Cancer
  - c. Blindness
  - d. All of above
89. Plants response to the relative length of daylight or darkness is known as
- a. Day Neutral
  - b. Phototropism
  - c. Photoperiodism
  - d. None
90. Abscisic acid (ABA) is a natural plant hormone which
- a. Promotes the growth
  - b. Initiates ripening
  - c. Induces fruit maturity
  - d. Retards plant growth
91. The development of fruit without fertilization or seed is called as
- a. Parthenogenesis
  - b. Polyembryony
  - c. Pseudogamy
  - d. Parthenocarp
92. Nucellar seedlings are also called as
- a. Monoembryonic
  - b. Zygotic seedlings
  - c. Apomictic
  - d. None
93. A change in the genetic constitution, which arises suddenly and not due to segregation and recombination of genes in sexual reproduction is called as
- a. Hybridization
  - b. Bud variation
  - c. Mutation
  - d. None of them
94. Foster is a variety of Grapefruit in which pulp is
- a. Pigmented and seedless
  - b. White and seedless
  - c. Pigmented but seeded
  - d. White and seeded
95. Salustiana is a variety of
- a. Mandarin
  - b. Sweet orange
  - c. Pummelos
  - d. Grapefruit
96. Which of the following is a non-climacteric fruit?
- a. Banana
  - b. Mango
  - c. Apple
  - d. Citrus
97. Bunchy top disease is caused by
- a. Virus
  - b. Insects
  - c. Improper storage
  - d. Fungus
98. Severe pruning in grapes is recommended
- a. Annually
  - b. Biannually
  - c. Every two years
  - d. None of them
99. King of temperate fruit is
- a. Mango
  - b. Citrus
  - c. Banana
  - d. Apple

100. The plants which shed their leaves during autumn season are called
- Evergreen
  - Deciduous**
  - Hardy plants
  - None of them
101. A good example of dioecious plant is
- Apricot
  - Pear
  - Plum
  - Papaya**
102. Malda is the variety of
- Citrus
  - Mango**
  - Guava
  - Ber Mango
103. The example of above ground modified stem is
- Rhizome
  - Corm
  - Tuber
  - Stolon**
104. Edges of the leaf are called
- Margins**
  - Midrib
  - Veins
  - Serration
105. Plants which are soft and green and can be easily bent are known as
- Herbaceous**
  - Woody
  - Shrubs
  - Perennials
106. The buds which develop in the axils of a leaf are known as
- Axillary buds**
  - Terminal buds
  - Adventitious buds
  - Aerial buds
107. In some plants the buds contain both leaves and floral primordia and are known as
- Leafy buds
  - Floral buds
  - Scaly buds
  - Mix buds**
108. Dwarfing rootstock for apple in heavy soils is
- M-7
  - M-9**
  - M-11
  - Crab apple
109. Rate of ethylene production in citrus is comparatively \_\_\_\_\_ than mango.
- Higher
  - Lower**
  - Equal
  - Unknown
110. Study which deals with the microscopic structure of the tissue is called as
- Anatomy
  - Histology**
  - Taxonomy
  - Ecology
111. Study of plant species in relation to its environmental history is called
- Phylogeny**
  - Histology
  - Ontogeny
  - None of these
112. Chemically, Colchicine is a
- Volatile oil
  - Tannin
  - Protein
  - Alkaloid**
113. What is the optimum length for most of the cuttings used for propagation?
- 1 to 3 inches
  - 3 to 6 inches
  - 6 to 9 inches**
  - 10 to 12 inches
114. A clone is a colony of
- Cells having different shapes
  - Cells having similar shape



- c. **Cells having similar genetic constitution**
  - d. Cells having similar size
115. Mango trees bear which type of flowers?
- a. Staminate
  - b. Hermaphrodite
  - c. **Both a & b**
  - d. Pistillate
116. Polyembryony in citrus seeds is \_\_\_\_\_ in cultivar improvement.
- a. Useful
  - b. **Obstacle**
  - c. No use
  - d. None of above
117. Electroporation is a technique used with
- a. Callus
  - b. **Protoplasts**
  - c. Cell suspension
  - d. Embryoids
118. A variant among clones is known as
- a. Variety
  - b. **Strain**
  - c. Clone
  - d. None of above
119. A cell without cell wall is called as
- a. Protoplasm
  - b. **Protoplast**
  - c. Plasma
  - d. Cytoplasm
120. A plant tissue culture medium without addition of agar is called
- a. Solid medium
  - b. **Liquid medium**
  - c. Cell suspension culture
  - d. Both b and c
121. Distilled water after autoclaving is known as
- a. Deionized water
  - b. Double distilled water
  - c. **Autoclaved water**
  - d. All of above
122. The genetic constitution of an organism is termed as
- a. Gene
  - b. Allele
  - c. **Genotype**
  - d. Phenotype
123. The science dealing with the structure, function and life of the cell is called
- a. Zoology
  - b. **Cytology or cell biology**
  - c. Botany
  - d. Taxonomy
124. Heritability is expressed in
- a. Gram
  - b. **Percentage**
  - c. Meter
  - d. Centimorgan
125. pH of the medium can be decreased by the addition of
- a. 1N HCl
  - b. 1N NaOH
  - c. 1N KOH
  - d. **Both b and c**
126. Autoclave is used for sterilization and conversion of sucrose into
- a. Fructose
  - b. Glucose
  - c. **Both a and b**
  - d. None
127. Explant and media browning, a common problem *in vitro*, can be controlled by adding \_\_\_\_\_ in the media.
- a. 2,4-D
  - b. Charcoal
  - c. PVP
  - d. **Both b and c**
128. The process of callus formation in plant tissue culture is termed as
- a. Embryogenesis
  - b. **Callogenesis**
  - c. Organogenesis
  - d. Direct embryogenesis

129. Undifferentiated mass of cells in tissue culture is known as
- Wound
  - Callus**
  - Cambium
  - Meristem
130. In tissue culture, rooting could be induced in explants by adding \_\_\_\_\_ in the media.
- Auxins**
  - Cytokinin
  - Gibberellin
  - Ethylene
131. Citrus canker is a \_\_\_\_\_.
- Fungal disease
  - Bacterial disease**
  - Nutrient deficiency
  - Disorder
132. Carotenoids are precursor of vitamin \_\_\_\_\_.
- A**
  - B
  - C
  - B1
133. Plant exposure to cold period for floral induction is called as \_\_\_\_\_.
- Vernalization**
  - Scarification
  - Stratification
  - None of these
134. Shield budding is most used in \_\_\_\_\_.
- Malus domestica
  - Ziziphus mauritiana**
  - Citrus spp.
  - Psidium guajava
135. Ripened ovary is defined as \_\_\_\_\_.
- Ovule
  - Seed
  - Fruit**
  - Both b and c
136. Runner formation in \_\_\_\_\_ is related to temperature and day length.
- Jujube
  - Cherry
  - Strawberry**
  - Spider plant
137. The term 'granulation' is also known as \_\_\_\_\_.
- Exine
  - Frets
  - Riciness**
  - None
138. Major threat to guava industry is due to \_\_\_\_\_.
- Wilt disease
  - Fruit fly
  - Anthracoise
  - Both 'a' and 'b'**
139. Mango flowers have only one viable \_\_\_\_\_.
- Pollen
  - Stamen**
  - Pistil
  - All of these
140. Bending of plants towards light is called \_\_\_\_\_.
- Photoperiod
  - Phototropism**
  - Photophobic
  - Photoperiod
141. Plants which shed their leaves in winter are known as \_\_\_\_\_ plants.
- Dioecious
  - Deciduous**
  - Dichogamous
  - Both band c
142. \_\_\_\_\_ increases drainage and aeration of the soil.
- Fertilizer
  - Organic matter**
  - Green manure
  - Mulching
143. When female gametophyte is non-functional in a flower it is termed as \_\_\_\_\_.
- Staminate
  - Incomplete**

- c. Pistillate
  - d. Neuter
144. Fungal disease of citrus is called as \_\_\_\_\_.
- a. **Dieback**
  - b. Citrus Tristeza Virus
  - c. Greening
  - d. Canker
145. Blood Red is a commercial cultivar of \_\_\_\_\_.
- a. Chakotra
  - b. Grapefruit
  - c. Mandarin
  - d. **Sweet orange**
146. Pollination before anthesis is called as \_\_\_\_\_.
- a. Allogamy
  - b. Autogamy
  - c. **Cleistogamy**
  - d. Dichogamy
147. Disease free plants could be produced using \_\_\_\_\_ *In vitro*.
- a. **Meristem culture**
  - b. Nodal culture
  - c. Embryo culture
  - d. Shoot tip culture
148. Hardwood cutting is used for the propagation in \_\_\_\_\_.
- a. Grapes
  - b. Mango
  - c. Falsa
  - d. **Both 'a' and 'c'**
149. Approach grafting is also called as \_\_\_\_\_.
- a. Air layering
  - b. Mound layering
  - c. Patch budding
  - d. **Inarching**
150. Date palm is \_\_\_\_\_.
- a. Dichogamous
  - b. Protandrous
  - c. Protogynous
  - d. **Both 'a' and 'b'**
151. Sour orange is susceptible to \_\_\_\_\_.
- a. **Citrus tristeza virus**
  - b. Phytophthora
  - c. Both 'a' and 'b'
  - d. None of these
152. Self-pollinated crops are successful for \_\_\_\_\_.
- a. **Short term**
  - b. Long term
  - c. Medium term
  - d. Both 'b' and 'c'
153. When floral whorls are attached below the ovary, it is \_\_\_\_\_.
- a. **Superior**
  - b. Inferior
  - c. Half inferior
  - d. None of these
154. Fruit crop imports of Pakistan are \_\_\_\_\_ than exports.
- a. **Less**
  - b. More
  - c. Equal
  - d. Negligible
155. In Pakistan, annual production of Guava is more than \_\_\_\_\_.
- a. Apple
  - b. Date palm
  - c. Banana
  - d. **All of these**
156. Drupes are also called as \_\_\_\_\_ fruit.
- a. Aggregate
  - b. **Stone**
  - c. Fleshy
  - d. Multiple
157. Peach belongs to the family \_\_\_\_\_.
- a. Rutaceae
  - b. Myrtaceae
  - c. **Rosaceae**
  - d. None of these

158. Doka stage of date palm is known as \_\_\_\_\_.
- Kimri
  - Khalal**
  - Rutab
  - Tamar
159. Climacteric fruits are those having \_\_\_\_\_ during ripening.
- Higher respiration rate**
  - Lower respiration rate
  - Less biochemical changes
  - None
160. Which of the following is an example of Auxins?
- Indole acetic acid
  - Indole butyric acid
  - Naphthalene acetic acid
  - All of these**
161. Phenotype is the outward expression of
- Genes
  - Genotype
  - Genome
  - All of these**
162. Citrus and mango are native to \_\_\_\_\_ region.
- Mediterranean
  - SE Asia**
  - Chinese
  - N. America
163. Development of shoots from cuttings other than specific points is known as \_\_\_\_\_.
- Germination
  - Sprouting
  - Induction
  - Adventitious shoot**
164. \_\_\_\_\_ occurs because of decreased water uptake.
- Drought
  - Heaving
  - Desiccation**
  - Chilling injury
165. Heavy but \_\_\_\_\_ frequent irrigation is needed for deep rooted crops.
- More
  - Less**
  - Under
  - Light
166. \_\_\_\_\_ are more harmful than all salts.
- Carbonates**
  - Sulphates
  - Phosphate
  - Both a and c
167. Variations are always produced through \_\_\_\_\_ crops.
- Self-pollinated
  - Cross pollinated**
  - Partially self-pollinated
  - Open pollinated
168. Okra and bitter melon are examples of \_\_\_\_\_ plants
- Long day**
  - Short day
  - Day neutral
  - Photophilic
169. Sex ratio in cucurbits is affected by \_\_\_\_\_.
- Day length
  - Temperature
  - Age of plant
  - All of these**
170. Sandy soils are preferred to obtain \_\_\_\_\_ crops.
- Late
  - Moderate
  - Early**
  - All of these
171. Which of the following is considered as basic component of precision farming?
- Remote sensing
  - Geographical information system
  - Global positioning system
  - All of these**
172. Mulching is mostly used to \_\_\_\_\_.
- To eliminate insect damage
  - To conserve moisture**

- c. To enhance rooting
  - d. To sterilize cutting tools
173. In some greenhouse operations, plants are grown in nutrient solution without soil and is known as \_\_\_\_\_.
- a. Geoponics
  - b. **Hydroponics**
  - c. Aeroponics
  - d. None of these
174. Which of the following is more water saving method of irrigation?
- a. Flood irrigation
  - b. **Drip irrigation**
  - c. Furrow irrigation
  - d. Channel irrigation
175. Judicious removal of plant parts is called
- a. **Pruning**
  - b. Training
  - c. Pinching
  - d. Topworking
176. Regeneration of plant when it is still attached to the parent plant is known as \_\_\_\_\_.
- a. Cutting
  - b. Budding
  - c. **Layering**
  - d. Grafting
177. Important functions of water in plants include \_\_\_\_\_.
- a. Maintain turgidity of cells
  - b. Maintain leaf temperature
  - c. Acts as raw material in photosynthesis
  - d. **All of them**
178. According to plant classification members of which class are evergreen and have narrow needle like leaves.
- a. Filicinae
  - b. Angiospermae
  - c. **Gymnospermae**
  - d. None of these
179. In photosynthesis water molecule is split and release oxygen during
- a. **Light reaction**
  - b. Dark reaction
  - c. Krebs cycle
  - d. Glycolysis
180. Pruning of horticultural fruit plants is done to improve \_\_\_\_\_ of the remaining plant.
- a. Quality
  - b. Productivity
  - c. Quantity
  - d. **All**
181. Micronutrients are most soluble at \_\_\_\_\_ pH.
- a. High
  - b. **Low**
  - c. Moderate
  - d. Neutral
182. Practice done in early stages of plants to develop a strong skeleton is known as \_\_\_\_\_.
- a. Pruning
  - b. Thinning
  - c. Staking
  - d. **Training**
183. Only \_\_\_\_\_ water is available throughout the life of plant.
- a. Hygroscopic
  - b. **Capillary**
  - c. Gravitational
  - d. Surface
184. Parts of embryos are
- a. Plumule
  - b. Radicle
  - c. Cotyledons
  - d. **All**
185. Development of organ from explant is \_\_\_\_\_.
- a. Indirect regeneration
  - b. Direct regeneration
  - c. Organogenesis
  - d. **Both b and c**
186. True to type plants can be obtained by \_\_\_\_\_ propagation.
- a. Layering
  - b. Asexual
  - c. Cutting
  - d. **All above**

187. Red lady is a variety of \_\_\_\_\_.
- Litchi
  - Strawberry
  - Loquat
  - Papaya**
188. Insertion of single bud as scion into rootstock is known as \_\_\_\_\_.
- Grafting
  - Inarching
  - Budding**
  - All of these
189. Guava belongs to the family \_\_\_\_\_.
- Rutaceae
  - Myrtaceae**
  - Rosaceae
  - Vitaceae
190. Development of shoots from cutting is known as \_\_\_\_\_.
- Germination
  - Sprouting**
  - Induction
  - Formation
191. Sporophytic chromosome number is represented by \_\_\_\_\_.
- n
  - 2n**
  - x
  - 2x
192. In hybridization, cytoplasm is mainly contributed by \_\_\_\_\_ parent.
- Male
  - Female**
  - Both
  - None
193. A cell of meiotic origin specialized for fertilization is called as a
- gamete
  - pollen
  - egg
  - All**
194. The product of a cross between genetically unlike parents is called as
- Hybrid**
  - Cybrid
  - Inbred
  - Both a & c.
195. Gene expression in morphology is called as \_\_\_\_\_.
- Genotype
  - Phenotype**
  - Genome
  - None
196. Already stable self-pollinated crops could be improved by \_\_\_\_\_.
- Mutation
  - Selection pressure
  - Domestication
  - a & b**
197. Cross pollination is \_\_\_\_\_ proportional to new genetic recombinations.
- Directly**
  - Inversely
  - Not related
  - a & b
198. Term Horticulture was introduced in \_\_\_\_\_.
- 1631**
  - 1634
  - 1931
199. The word Hortus means \_\_\_\_\_.
- Fruits
  - Herbs
  - Garden**
200. The study of fruits is called \_\_\_\_\_.
- Practice pomology
  - Pomology**
  - Systematic pomology
201. Deficiency of vitamin \_\_\_\_\_ causes night blindness.
- A**
  - B
  - C
202. Pakistan produces more than \_\_\_\_\_ different types of fruits annually.
- 45

- b. 20  
c. 35
203. Plants having both male and female flowers on the same plant are \_\_\_\_\_.
- Citrus
  - Papaya
  - Mango
  - Both a and c**
204. The science of classification is known as \_\_\_\_\_.
- Horticulture
  - Phenology
  - Taxonomy**
205. Fruit crops are categorized according to the \_\_\_\_\_.
- Season
  - Temperature
  - Climatic zone**
206. Ability of the seed to germinate is called \_\_\_\_\_.
- Viability**
  - Vitality
  - Germination
207. Papaya and date palm are \_\_\_\_\_ in nature.
- Monoecious
  - Dioecious**
  - Polyecious
208. Plant part used for culturing *in vitro* is called \_\_\_\_\_.
- Tissue culture
  - Seed culture
  - Explant**
209. \_\_\_\_\_ fruit derived from a single flower with many pistils on a common receptacle.
- Multiple fruit
  - Aggregate fruit**
  - Soft fruit
210. \_\_\_\_\_ excellent for dieting patients.
- Sweet lime
  - Grapefruit**
  - Jaman
211. Citrus, Jaman and Mango are best examples of \_\_\_\_\_ plants.
- Deciduous
  - Hermaphrodite
  - Evergreen**
212. Ripened ovule is defined as \_\_\_\_\_.
- Ovary
  - Seed**
  - Fruit
213. Disease free plants can be produced *in vitro* by \_\_\_\_\_.
- Meristem culture**
  - Nodal culture
  - Embryo culture
214. Respiration is the cellular process that breaks down food to \_\_\_\_\_.
- Release energy (ATP)
  - Contributes to carbon budget
  - Both**
215. During anaerobic respiration, \_\_\_\_\_ ATPs are released.
- 26 ATP
  - 36 ATP
  - 38 ATP**
216. Glycolysis is the metabolic pathway that converts glucose into \_\_\_\_\_.
- Fructose
  - Pyruvic acid**
  - Succinate
217. The scar on a seed marking the point of attachment to its seed vessel is called \_\_\_\_\_.
- Tegmen
  - Hilum**
  - Micropyle
218. Part of the stem of an embryo plant beneath the stalks of seed leaves or cotyledons and directly above the root is called \_\_\_\_\_.
- Plumule
  - Epicotyl
  - Hypocotyl**
219. The process in which cells undergo meiosis to form gametes is called \_\_\_\_\_.
- Gametogenesis**
  - Organogenesis
  - Embryogenesis

220. Cross-pollination is also called \_\_\_\_\_.
- Autogamy
  - Allogamy**
  - Cleistogamy
221. Hybrids possess greater adaptability to the climate change.
- True**
  - False
  - None of these
222. Physiological changes indicate termination of the mature stage and the initiation of senescence of fruit, is called \_\_\_\_\_.
- Fruit maturity
  - Fruit ripening**
  - Fruit decaying
223. Aging process in which all parts of the plant except seeds ultimately die, is called \_\_\_\_\_.
- Partial senescence
  - Complete senescence**
  - Senescence
224. \_\_\_\_\_ are the natural substances produced by plant tissues in small quantities especially at the growing points and transported to other regions where they are required to regulate the activities of the plant.
- Plant hormones**
  - Plant growth regulators
  - Both
225. Grapes are commercially propagated by \_\_\_\_\_.
- Budding
  - Grafting
  - Cuttings**
  - Layering
226. The epicarp of citrus fruit is called as \_\_\_\_\_.
- Albedo
  - Flavedo**
  - Upper part
  - Epidermis
227. Combination of on-year and off-year in fruit production is called as \_\_\_\_\_.
- Riciness
  - Unfruitfulness
  - Alternate bearing**
  - None
228. Most of the fruit plants of temperate zone are \_\_\_\_\_ in nature.
- Evergreen
  - Dioecious
  - Deciduous**
  - Dicotyledenous
229. True leaves emerging from seeds are called as \_\_\_\_\_.
- Epicotyl
  - Hypocotyl
  - Cotyledon**
  - Dicotyledon
230. Union point of scion and rootstock is called as \_\_\_\_\_.
- Compatibility
  - Interstock
  - Stock
  - Matrix**
231. Length of cutting for propagation in fruit crops depends upon \_\_\_\_\_ distance.
- Nodal
  - Internodal distance
  - Variety
  - All**
232. \_\_\_\_\_ water is used for sterilization of the explant in plant tissue culture.
- Distilled
  - Double Distilled
  - Autoclaved**
  - Ionized
233. In horticultural crops \_\_\_\_\_ root system is induced to increase the absorption area.
- Tap
  - Branching
  - Fibrous**
  - Conducting
234. Edaphic factors are also commonly known as \_\_\_\_\_ factors.
- Internal
  - External
  - Soil**
  - All of these
235. Problem of sexual incompatibility in wide hybridization can be reduced by \_\_\_\_\_ culture.



- a. Meristem
  - b. Immature embryo
  - c. Embryo rescue
  - d. Embryo
236. *In vitro* multiplication of rootstocks is done through \_\_\_\_\_ culture.
- a. Meristem
  - b. Shoot tip
  - c. Embryo rescue
  - d. Nodal
237. The wound healing of plants is due to \_\_\_\_\_.
- a. Callus
  - b. Parenchyma cells
  - c. Sclerenchyma cells
  - d. Collenchyma cells
238. Citrus rootstocks are propagated by seed due to presence of \_\_\_\_\_.
- a. Apomixis
  - b. Polyembryony
  - c. Both a and b
  - d. None
239. Apricot is propagated by \_\_\_\_\_ during dormancy period.
- a. Budding
  - b. Grafting
  - c. Cutting
  - d. Layering
240. In \_\_\_\_\_ fruit crop, tendrils are present.
- a. Mango
  - b. Citrus
  - c. Grapes
  - d. Grapefruit
241. Development of a seed bypassing the process of fertilization is known as \_\_\_\_\_.
- a. Parthenocarpy
  - b. Parthenogenesis
  - c. Apomixis
  - d. Polyembryony
242. Poorly aerated soils reduce \_\_\_\_\_ activity.
- a. Oxygen
  - b. Carbon dioxide
  - c. Microbial
  - d. Antifungal
243. In mango \_\_\_\_\_ flushes are more productive compared to others.
- a. May
  - b. June
  - c. July
  - d. April
244. Anthracnose is a common and widespread \_\_\_\_\_ disease of mango.
- a. Bacterial
  - b. Fungal
  - c. Soil born
  - d. Microorganism
245. The flowers of mangoes are \_\_\_\_\_ in nature.
- a. Monoecious
  - b. Dioecious
  - c. Hermaphrodite
  - d. Polygamous
246. Wrong selection of \_\_\_\_\_ may lead to complete failure of the crop.
- a. Scion
  - b. Interstock
  - c. Cultivar
  - d. Rootstock
247. Peaches are highly \_\_\_\_\_ to water logging.
- a. Susceptible
  - b. Tolerant
  - c. Slightly tolerant
  - d. Resistant
248. Fruit drop in citrus can be controlled by spraying \_\_\_\_\_.
- a. 2,4-D
  - b. GA3
  - c. NAA
  - d. All
249. Germination %age of guava seed can be increased by \_\_\_\_\_.
- a. Stratification
  - b. Scarification
  - c. Vitrification

- d. Vernalization
250. Low chilling cultivars of apple are \_\_\_\_\_.
- Enna
  - Sky Spur
  - Tropical Beauty
  - All
251. The problem of alternate bearing can be \_\_\_\_\_ by adaptation of GAP.
- Finished
  - Maximized
  - Minimized
  - Moderated
252. Use of \_\_\_\_\_ fruit and juice can reduce the risk of kidney stone.
- Mango
  - Apple
  - Citrus
  - Pear
253. In apomictic crops, \_\_\_\_\_ seedlings are preferred for fruit crop production.
- Polyembryonic
  - Nucellar
  - Zygotic
  - Maternal
254. Multiplication of the hybrid fruit crops is only possible by \_\_\_\_\_.
- Budding
  - Grafting
  - Cutting
  - All
255. Sensation is \_\_\_\_\_ season cultivar of Mango in Pakistan.
- Early
  - Medium
  - Late
  - Partial
256. Mango cultivars of the sub-continent are \_\_\_\_\_ embryonic in nature.
- Poly
  - Mono
  - Both
  - None
257. Budwood for citrus should be selected from \_\_\_\_\_.
- 2-3 years old and productive plant
  - Disease free
  - Green with white streaks
  - All
258. In Sindh guava is propagated through \_\_\_\_\_.
- Asexual
  - Seeds
  - Layering
  - Cutting
259. Physical factors of plant growth *in vitro* include \_\_\_\_\_.
- Light
  - Temperature
  - CO<sub>2</sub>
  - All
260. Flowering and tuberization processes are related to \_\_\_\_\_.
- Day length
  - Dark period
  - Both
  - None
261. Optimal temperature for *in vitro* plant growth shall be \_\_\_\_\_ than *in vivo*.
- Lower
  - Equal to
  - Higher
  - None
262. Problems in plant tissue culture did not include \_\_\_\_\_.
- Contamination
  - Hyperhydricity
  - Phenolics
  - Somaclonal variation
263. Hyperhydricity is also termed as \_\_\_\_\_.
- Vitrification
  - Glassiness
  - Translucency
  - All
264. Under *in vitro* growing conditions, plants grow as \_\_\_\_\_.
- Autotroph

- b. **Heterotroph**
  - c. Both
  - d. None
265. In tissue culture plants, rate of photosynthesis is \_\_\_\_\_ due to low irradiance compared with *in vivo* conditions.
- a. Normal
  - b. Higher
  - c. **Lower**
  - d. None
266. Which of the following substances promote rooting *in vitro* \_\_\_\_\_.
- a. Cytokinins
  - b. GAs
  - c. **Charcoal**
  - d. ABA
267. Which of the following PGRs enhance callogenesis \_\_\_\_\_.
- a. **2,4-D**
  - b. BAP
  - c. Kinetin
  - d. None
268. Embryo rescue could be helpful in \_\_\_\_\_.
- a. Wide hybridization
  - b. Interploid hybridization
  - c. Seed dormancy
  - d. **All**
269. Thermotherapy of mother plants could be particularly helpful to eradicate \_\_\_\_\_.
- a. **Viruses**
  - b. Bacteria
  - c. Fungi
  - d. All
270. Micrografting is a very useful technique to irradiate viruses in \_\_\_\_\_.
- a. Citrus
  - b. Grapes
  - c. Apple
  - d. **All**
271. Pollen mother cells undergo two meiotic divisions to produce \_\_\_\_\_ microspores.
- a. 3
  - b. 4
  - c. 6
  - d. **8**
272. Catkins are used as inflorescence in \_\_\_\_\_.
- a. Mulberry
  - b. Walnut
  - c. **Both**
  - d. None
273. Pollen viability could be analysed by \_\_\_\_\_.
- a. *In vitro* germination
  - b. Microscopy of stained cells
  - c. Seed production
  - d. **All**
274. \_\_\_\_\_ traits are usually preferred by breeders for crop improvement programs.
- a. Polygenic
  - b. **Monogenic**
  - c. Epigenetic
  - d. All
275. Polyploids represent \_\_\_\_\_% of the angiosperms.
- a. 10-15
  - b. 20-25
  - c. **30-35**
  - d. 40-45
276. In citrus, fertilization occurs within \_\_\_\_\_ days after pollination.
- a. 4
  - b. **8**
  - c. 10
  - d. 12
277. In tropical areas, citrus may bloom \_\_\_\_\_ a year.
- a. Once
  - b. Twice
  - c. **Multiple times**
  - d. Don't bloom
278. In Citrus, normally about \_\_\_\_\_% of the flowers set fruit.
- a. 15
  - b. 30
  - c. **50**

- d. 80
279. Hot water treatment of citrus seeds at \_\_\_\_\_ °C could help in fungal elimination.
- 42
  - 52**
  - 60
  - 70
280. In Date palm, \_\_\_\_\_ is the main variety in Dera Ismail Khan.
- Aseel
  - Dhaki**
  - Begum Jangi
  - Hillawi
281. Bombay, Bedana, Calcutti and Gola are the varieties of \_\_\_\_\_.
- Jujube
  - Litchi**
  - Ber
  - Strawberry
282. Litchi fruits are available in the market for \_\_\_\_\_ weeks in the month of June and July.
- 1-2
  - 3-4**
  - 6-8
  - 8-10
283. Jaman is also known as \_\_\_\_\_.
- Malabar plum
  - Java plum
  - Both**
  - None
284. \_\_\_\_\_ are not cultivars of guava.
- Safeda
  - Allahabad
  - Apple color
  - None**
285. Wilt disease is major threat to \_\_\_\_\_ industry of Pakistan.
- Citrus
  - Guava**
  - Mango
  - Date
286. Term Horticulture is derived from two \_\_\_\_\_ words, Hortus and Colere.
- Greek
  - Latin**
  - English
  - Chinese
287. Production of special vegetables in relatively large quantities for distant market is known as \_\_\_\_\_.
- Market gardening
  - Truck gardening**
  - Vegetable forcing
  - Home gardening
288. 291. Which of the following is a type of off-season vegetable production?
- Kitchen gardening
  - Vegetable Forcing**
  - Truck gardening
  - Market gardening
289. \_\_\_\_\_ is an example of liana.
- Grapes**
  - Clerodendron
  - Tomato
  - Cucurbits
290. Monoecious plants bear \_\_\_\_\_ flowers?
- Male
  - Female
  - Both male and female**
  - Hermaphrodite
291. Which of the following is not an example of leafy vegetables?
- Lettuce
  - Celery
  - Mint
  - Peas**
292. Which of the following is an example of nuts?
- Almond
  - Walnut
  - Pecan
  - All of these**

293. Fruits derived from several separate but closely clustered flowers along a common axis are known as \_\_\_\_\_.
- Multiple Fruit**
  - Drupe fruit
  - Berry fruit
  - None of these
294. Fusion of one pollen nuclei with egg and other with two central nuclei is known as \_\_\_\_\_.
- Fertilization
  - Hybridization
  - Double fertilization**
  - Pollination
295. Seed is composed of \_\_\_\_\_.
- seed coat, endosperm and embryo**
  - seed coat, root and stem
  - seed coat, epicotyl and food reserve
  - seed coat, cotyledon and embryo
296. \_\_\_\_\_ are false fruits in which the edible portion is the thalamus.
- Berry fruits
  - Pome fruits**
  - Aggregate fruits
  - Multiple fruits
297. On the basis of growth habit, radish and turnip are classified as \_\_\_\_\_ vegetables?
- Annual
  - Biennial**
  - Perennial
  - Tropical
298. Fruit plants cannot produce flowers in \_\_\_\_\_ phase.
- Puberty
  - Juvenile**
  - Maturity
  - Bearing
299. \_\_\_\_\_ plants can flower during any part of the year if provided with suitable temperature for their growth?
- Short day
  - Long day
  - Day neutral**
  - Temperate
300. \_\_\_\_\_ is the most important primary nutrient?
- Calcium
  - Iron
  - Nitrogen**
  - Magnesium
301. \_\_\_\_\_ is not the reproductive part of flower?
- Gynoecium
  - Androecium
  - Carpel
  - Corolla**
302. Ginger and turmeric are examples of \_\_\_\_\_.
- Herbaceous perennials**
  - Woody perennials
  - Biennials
  - Annuals
303. According to their flower type, watermelon and cucumber are classified as \_\_\_\_\_.
- Monoecious**
  - Dioecious
  - Perennials
  - Biennials
304. \_\_\_\_\_ germination is the one in which cotyledons remain below the soil surface.
- Epigeal
  - Hypogeal**
  - Partial
  - None of these
305. \_\_\_\_\_ is a physiological ageing process in which tissue degenerates and die.
- Puberty
  - Juvenility
  - Senescence**
  - Ripening
306. Food is stored in \_\_\_\_\_ of seed.
- Hilum
  - Endosperm**
  - Radicle
  - Hypocotyl

307. A stack of thylakoids is known as \_\_\_\_\_.
- Grana
  - Stroma
  - Thylakoid
  - All of these
308. Liquid surrounding the thylakoids is known as
- Grana
  - Stroma
  - Lumen
  - All of these
309. Which of the following is an example of CAM plants?
- Pineapple
  - Banana
  - Ficus
  - Corn
310. Which of the following factors affect photosynthesis process in plants?
- Diurnal time
  - Water stress
  - Light intensity
  - All of these
311. \_\_\_\_\_ are the external factors influencing respiration process in plants.
- Temperature
  - Moisture
  - Light
  - All of these
312. Which of the following plants has better water use efficiency under arid conditions than C3 plants?
- Cherry
  - Strawberry
  - Pineapple
  - Mango
313. \_\_\_\_\_ plants fix atmospheric CO<sub>2</sub> at night.
- CAM
  - C3
  - C4
  - Tropical
314. Photosystem-II uses a form of chlorophyll-a known as \_\_\_\_\_.
- P860
  - P680
  - P800
  - P700
315. Photosystem-I uses chlorophyll-a, in the form referred to as \_\_\_\_\_.
- P700
  - P680
  - P880
  - P600
316. During photosynthesis Calvin cycle takes place in \_\_\_\_\_
- Chloroplast-lumen
  - Chloroplast-stroma
  - Chloroplast-outer membrane
  - Chloroplast-inner membrane
317. During respiration process, Glycolysis takes place in
- Cytoplasm
  - Mitochondria
  - Endoplasmic reticulum
  - Golgi complex
318. During respiration TCA cycle takes place in \_\_\_\_\_.
- Cytoplasm
  - Mitochondria
  - Endoplasmic reticulum
  - Golgi complex
319. Citric acid cycle is also known as \_\_\_\_\_.
- Krenz anatomy
  - TCA cycle
  - Fermentation
  - Glycolysis
320. Inside of the thylakoid is known as \_\_\_\_\_.
- Lumen
  - Lamella
  - Stroma
  - Granum
321. Climacteric fruits are sensitive to ethylene and have \_\_\_\_\_ reserves
- Protein
  - Starch

- c. Vitamins
  - d. Minerals
322. Which of the following is a plant growth regulator?
- a. Chlormequat
  - b. Cycocel
  - c. **Auxins**
  - d. Paclobutrazol
323. In roses, area of the stem just below flower “wilts” and will not support the head is termed as
- a. **Limp necks**
  - b. Bullheads
  - c. Blind wood
  - d. Deadheads
324. The underground horizontal stem is called
- a. **Rhizome**
  - b. Stolen
  - c. Corm
  - d. Tuber
325. Saffron is propagated through
- a. Rhizomes
  - b. **Corms**
  - c. Bulbs
  - d. Seeds
326. Which type of chrysanthemum having a small globular bloom, somewhat flat when young but fully round when mature?
- a. **Pompon**
  - b. Anemone
  - c. Decorative
  - d. Spoon
327. Which of the following are common ornamental foliage plants?
- a. Monstera and Ferns
  - b. Asparagus and Syngonium
  - c. Aspidistra and Dracaena
  - d. **All of the above**
328. Piping is carried out in
- a. Chrysanthemum
  - b. Rose
  - c. Gladiolus
  - d. **Carnation**
329. The purpose of staking in floriculture is to
- a. Protect the trunk
  - b. Prevent root damage due to wind action
  - c. **Prevent wind injury to branches**
  - d. Prevent damage due to frost.
330. Japanese style of floral arrangement is known as
- a. Ikenobo
  - b. **Ikebana**
  - c. Yen
  - d. Ying
331. Schefflera and Monstera are
- a. Flowering plants
  - b. **Foliage plants**
  - c. Both flowering and foliage plants
  - d. None of the above
332. Portulaca and Zinnia are the examples of
- a. **Summer flowers**
  - b. Winter flowers
  - c. Low heighted shrubs
  - d. Foliage plants
333. Lotus is famous for
- a. Home gardening
  - b. Rock gardening
  - c. **Water gardening**
  - d. Xeriscaping
334. Removing the field heat of cut flowers means
- a. Shading the plants in the field in summer
  - b. **Rapid cooling by water dipping and storing at low temperature**
  - c. Reducing customer demand in the field
  - d. Selling flowers cheaper in the field
335. Dead heading is the removal of
- a. Dead branches
  - b. Dead roots
  - c. **Faded flowers**
  - d. Shriveled leaves

336. Pinching out is the removal of
- Growing point of root
  - Opening flower buds
  - Removal of seeds
  - Growing point of buds**
337. Which of the following annuals need full sun?
- Cineraria
  - Hamalia
  - Portulaca**
  - None of these
338. A plant which is able to live under very dry conditions is called
- Xerophyte**
  - Halophyte
  - Hydrophyte
  - Mesophyte
339. Which of the following plants require severe pruning?
- Lagerstromea purporea**
  - Nerium odorum*
  - Jasminum sambac*
  - Thuja orientalis*
340. Which of the following climbers is important for its hardiness and flowers throughout year?
- Vitis vinifera*
  - Bougainvillea glabra***
  - Tecoma grandiflora*
  - Tarlmounia elliptica*
341. Which of the following grounds cover is highly salt tolerant?
- Vinca rosea***
  - Tecoma*
  - Duranta*
  - Alternanthera*
342. *Jaccaranda mimosifolia* has
- Red flowers
  - Yellow flowers
  - White flowers
  - Purple flowers**
343. Gladiolus is propagated through:
- Bulbs
  - Corms**
  - Tubers
  - Rhizomes
344. Which of the following shrubs has white fragrant flowers?
- Tabernaemontana divertica*
  - Gardenia florida***
  - Thevitia nerifolia*
  - Lantana comara*
345. The roses that were developed from crossing between Hybrid perpetuals and tea roses are\_\_\_\_\_.
- Hybrid Perpetuals
  - Floribundas
  - Hybrid Teas**
  - Grandifloras
346. Jasmine (ornamental) belongs to family
- Oleaceae**
  - Moraceae
  - Rosaceae
  - Nyctaginaceae
347. *Ficus elastica* (ornamental) belongs to family
- Oleaceae
  - Moraceae**
  - Rosaceae
  - Nyctaginaceae
348. Araucaria was originated from
- South Pacific**
  - South Asia
  - Far East
  - Middle East
349. *Ficus elastica* can be propagated through
- Air layering**
  - Seeds
  - Division
  - Budding
350. Which of the following plants are used for the extraction of essential oil?
- Grapes
  - Pomegranate



- c. **Rose**
  - d. Ficus
351. Mowing of turf grasses in winter is recommended after
- a. 20-30 days
  - b. **30-40 days**
  - c. 40-50 days
  - d. 50-60 days
352. Dormancy of seed is a biological mechanism that provides protection against \_\_\_\_\_.
- a. Seed spoilage
  - b. Embryo abortion
  - c. **Premature germination**
  - d. Dehydration
353. Failure of a viable pollen to grow down the style of the flower of the same variety is called \_\_\_\_\_.
- a. Self-sterility
  - b. **Self-incompatibility**
  - c. Self-unfruitfulness
  - d. Sterility
354. Fruiting body of roses is called
- a. Button
  - b. **Hips**
  - c. Slip
  - d. None of above
355. A thread-like stem or leaf which clings to any support, is known as
- a. Climber
  - b. **Tendrils**
  - c. Sucker
  - d. Creeper
356. Which of the following shrubs is used as fruit beauty?
- a. *Cassia glauca*
  - b. *Nerium odorum*
  - c. ***Citrus mitis***
  - d. *Hibiscus rosa sinensis*
357. Lawn grasses can be established by
- a. Seeding
  - b. Sodding
  - c. Plugging
  - d. **All of the above**
358. Tifdwarf is a
- a. Weed
  - b. Shrub
  - c. **Turfgrass**
  - d. None of these
359. Rose budded at 3 ½ feet height is called
- a. Miniature rose
  - b. **Standard rose**
  - c. HT rose
  - d. Climbing rose
360. Most house plants, except cacti, prefer a highly organic and
- a. Neutral growing medium
  - b. Alkaline growing medium
  - c. **Acidic growing medium**
  - d. Wet growing medium
361. Most grass species utilized for turf are characterized by
- a. Prostrate creeping
  - b. Fine to medium texture
  - c. Short basal nodes
  - d. **All of above**
362. Light intensity is expressed as
- a. **Foot-candle**
  - b. Micrometer
  - c. Candlelight
  - d. All of the above
363. Growing medium kept too wet will deprive the plant for
- a. Soluble salts
  - b. Water
  - c. **Oxygen**
  - d. Fertilizer
364. The interrelationship of size with floral arrangement to its surroundings is
- a. Harmony
  - b. Rhythm
  - c. **Scale**
  - d. Balance

365. Which of the following is a shade-loving flower?
- Marigold
  - Snapdragon
  - Chrysanthemum
  - Impatiens**
366. Application of bulky material to the surface of the turf is known as \_\_\_\_\_.
- Aerating lawn
  - Top Dressing**
  - Pricking
  - Rolling
367. The \_\_\_\_\_ accounts for 65% of the total production area for flower bulbs in the world.
- Netherlands**
  - Italy
  - Spain
  - USA
368. The objective of dis-budding is to get \_\_\_\_\_.
- More lateral branches
  - Large bloom**
  - More flowers
  - All of these
369. In a natural ecosystem, living and non-living matter has relationships
- Independent
  - Dissimilar
  - Reciprocal**
  - None of these
370. Environmental resources or the biosphere are
- Indefinite
  - Finite**
  - Infinite
  - Interminable
371. Which of these is not recommended for urban planting?
- Invasive species
  - Exotic species
  - Non-Indigenous
  - All of these**
372. The landscape principle that describes the idea of tying the landscape together into an orderly design is called \_\_\_\_\_.
- Balance
  - Rhythm
  - Unity**
  - Focal point
373. The rose species famous for oil extraction is
- Rosa canina*
  - Rosa rugosa*
  - Rosa damascena***
374. DIF is defined as:
- The difference in day time temperature and the night time temperature**
  - The difference in fertilization
  - Data interchange format
  - Difficulty in fertilization
375. Landscape planning means
- A comprehensive plan is a prerequisite
  - This plan should take into account the suitability of lawns and gardens
  - According to the requirements of the users
  - All of these**
376. Yellow margins and necrotic edges, especially on lower leaves; leaves may curl up or down; root tips may be necrotic are all symptoms of what type of toxicity?
- Nitrogen
  - Calcium
  - Ammonium**
  - Sulfur
377. In all arrangements when looking at the principles of design, the floral designer is striving for emphasis, balance, proportion, \_\_\_\_\_, \_\_\_\_\_, and unity.
- Texture, color
  - Depth, height
  - Rhythm, harmony**
  - Interest, desire
378. What type of balance can be used to create and design with an informal approach?
- Symmetrical
  - Asymmetrical**
  - Isometrical
  - Circular

379. Underwater cutting is recommended especially for roses to ensure that \_\_\_\_\_, not \_\_\_\_\_ enters the xylem.
- Water, air
  - Air, water
  - Light, rust
  - None of the above
380. The bulb flowers such as \_\_\_\_\_, \_\_\_\_\_, or \_\_\_\_\_ may be harvested in the bud stage.
- Roses, yucca, heather
  - Carnations, roses, tulips
  - Privet, carnations, poinsettias
  - Tulips, daffodils, iris
381. A good alternative for perlite, this material provides aeration in the root media.
- sand
  - peat moss
  - rock wool
  - vermiculite
382. Which of the plant is evergreen?
- Papulus nigra*
  - Bohinia verigata*
  - Eucllyptus rostrata*
  - Mimusops elengi*
383. Which of the following is not among the major principles of design?
- Balance
  - Scale
  - Emphasis
  - Price
384. The showy red, pink, or white portion of the poinsettia are
- Flowers
  - Bracts
  - Petals
  - Sepals
385. Which of the following is a member of the Dianthus family?
- Chrysanthemum
  - Phlox
  - Sedum
  - Carnation
386. The acceleration of flowering by manipulating environmental conditions is known as
- Pulsing
  - Forcing
  - Leaching
  - After-ripening
387. The two most practical means of the homeowner to control insects and diseases are
- Mechanical and chemical
  - Mechanical and biological
  - Chemical and biological
  - Biological and natural
388. The design principle of total compatibility of all parts of an arrangement with each other is
- Transition
  - Texture
  - Harmony
  - Proportion
389. Pansy is very popular annual due to its
- Stem and foliage beauty
  - Hardiness toward ground cover
  - Planting under shade.
  - Mix colour flowers bedding plant
390. Which of the following annuals is planted as vine?
- Salvia
  - Ipomea
  - Verbena
  - Marigold
391. Which of the following annuals is used as foliage beauty?
- Kochia
  - Phlox
  - Portulaca
  - Antirrhinum
392. The average humidity percentage recommended for interior plants is
- 70 to 100%
  - 40 to 70%
  - 20 to 30%
  - 10 to 20%.

393. A major problem in standard carnation production resulting in asymmetrical flowers is
- Improper fertilization
  - High-density spacing
  - Calyx splitting**
  - Lack of pinching
394. \_\_\_\_\_ is generally added to water when processing flowers in a retail floral shop.
- Herbicide
  - Insecticide
  - Biocide**
  - Algicide
395. Plants that have been clipped or pruned into two-dimensional forms are
- Espalier**
  - Topiary
  - Balanced
  - Dynamic
396. Which of the following turf areas is mowed to the lowest height?
- Commercial lawn
  - Golf fairway
  - Home lawn
  - Golf green**
397. A landscape designer uses many \_\_\_\_\_ in developing the preliminary design for a project.
- Perfect plans
  - Bubble diagrams**
  - Site surveys
  - Problem statements
398. The basic underlying principle of using a mist propagation system is that it
- Keeps propagation medium uniformly moist and supplies moisture to base of cuttings
  - Keeps the plant material cool
  - Cools the propagation medium to promote root formation and development
  - Increases humidity around the cutting and reduces transpiration**
399. A shade loving border plant is
- Marigold
  - Impatiens**
  - Zinnia
  - Chrysanthemum
400. Failure of a bulb to produce a marketable flower following floral initiation is
- Disbudding
  - Flower blasting**
  - Damping off
  - Dieback
401. One of the best ways to speed up the rooting process of cuttings is to
- Provide bottom heat**
  - Keep the soil cool and the foliage warm
  - Harden them off by laying them out to dry a few days before sticking
  - Always take cuttings after mid-day
402. An area of the landscape that includes space for such items as a clothesline and garbage cans is the \_\_\_\_\_ area.
- Service**
  - Public
  - Private
  - Recreational
403. The landscape design principle of interconnection
- Is a visual break in sequence
  - Is the human perception of space and form related to human dimension?
  - Is the overall organization and structure of a design
  - Occurs when visual components are physically linked together**
404. A \_\_\_\_\_ flower is a type of flower often used as a focal point.
- Mass
  - Line
  - Form**
  - Spike-type
405. The phenomenon of terminal plant growth suppressing lateral growth is termed as
- The apex auxin complex
  - Apical dominance**
  - Lateral dominance
  - Terminal bud inhibition
406. The use of plant materials and landscaping techniques to conserve soil moisture and to reduce water usage is
- Xeriscaping**
  - Water scaping
  - Natural landscaping
  - Bogscaping

407. Hardiness refers to
- The strength of the wood of a tree
  - The quality of being strong and being able to survive in a certain region**
  - The hardness of the soil in which a plant is being planted
  - The ability of a plant to grow indoors
408. A lawn mower with blades parallel to the surface of the ground is called as
- Reel mower
  - Rotary mower**
  - De-thatching mower
  - Electric mower
409. Brown patch, dollar spot, and gray snow mold are all diseases of
- Azaleas
  - Turfgrasses**
  - Trees
  - Evergreens
410. Site features to consider when conducting a site survey include
- Topography, client analysis, natural features, and climate
  - Topography, soil conditions, natural features and existing vegetation**
  - Natural features, existing vegetation, soil conditions, and client analysis
  - Natural features, climate, existing vegetation, and client analysis
411. Which of the following is a major reason for mulching landscape plants?
- Increases anti-aerobic activity in the soil
  - Supplies nutrients
  - Moderates soil temperature and conserves soil moisture**
  - Attracts earthworms
412. A plant that remains vegetative during its first season of growth and flowers in the second season is a
- Biennial**
  - Annual
  - Propagule
  - Perennial
413. Most landscape plants like the soil pH
- Slightly acidic**
  - Strongly acidic
  - Slightly alkaline
  - Strongly alkaline
414. When installing a landscape, which step should be completed first
- Plant the trees and shrubs
  - Add amendments to the soil
  - Install the drainage system**
  - Build retaining walls and garden walkways
415. Maximum interior plants death result from
- Incorrect PH
  - Too much light
  - Too much fertilizer
  - Over watering**
416. In a residential landscape, the area between the house and the street is
- Family living area
  - Public area**
  - Service area
  - Private living area
417. In turf grasses, a pair of bracts usually present at the base of a spikelet is known as
- Glumes**
  - Auricles
  - Awns
  - None of the above
418. Art of shaping plants into geometric shapes is known as
- Ikebana
  - Bonsai
  - Topiary**
  - Potpourri
419. Chrysanthemum is a
- Short day plant**
  - Long day plant
  - Day-neutral plant
  - None of these
420. \_\_\_\_\_ is a best annual flower used for drying
- Gaillardia
  - Nasturtium
  - Helichrysum**
  - Balsam
421. The optimum day time temperature range for best growth of house plants is
- 6-12
  - 12-18

- c. 18-24
  - d. 24-30
422. Small bulb produced on the stem of a bulbous plants, is known as
- a. Bulblet
  - b. **Bulbil**
  - c. Baby bulbs
  - d. Cormell
423. A feathered petal which bears a distinct central band is
- a. **Flamed**
  - b. Flaked
  - c. Floret
  - d. Filament
424. The stalk of an inflorescence is known as
- a. Pedicel
  - b. **Peduncle**
  - c. Perianth
  - d. Petiole
425. Rose hips are rich source of
- a. Vitamin A
  - b. Vitamin B
  - c. **Vitamin C**
  - d. All the above
426. Site of attraction that holds attention of viewer in a landscape is called
- a. Balance
  - b. Proportion
  - c. **Focal point**
  - d. Rhythm
427. An open framework, designed to offer shady resting place is called
- a. Cold frame
  - b. **Arbor**
  - c. Pergola
  - d. Deck
428. In landscape shape of tree is called
- a. Shape
  - b. **Form**
  - c. Structure
  - d. Texture
429. When all the parts of the design suggest a single impression, it is called
- a. Harmony
  - b. Transition
  - c. Balance
  - d. **Unity**
430. Which of the following roses bear clustered flowers?
- a. Hybrid tea
  - b. **Floribunda**
  - c. Miniature
  - d. All the above
431. Hygrometer is used to measure
- a. Pressure
  - b. **Humidity**
  - c. Wind speed
  - d. Solar radiation
432. A thread-like stem or leaf, which clings to any support, is known as
- a. Climber
  - b. **Tendril**
  - c. Sucker
  - d. Creeper
433. Removal of young flower buds to allow max development of the remainder is termed as
- a. Die back
  - b. **Disbudding**
  - c. Dead heading
  - d. None of above
434. Small outgrowth at the base of leaf stalk is termed as
- a. Bud
  - b. Bract
  - c. **Stipule**
  - d. Ligule
435. Cluster of flowers in roses is called
- a. Snag
  - b. Thalamus
  - c. Composite
  - d. **Truss**

436. Which of the following shrubs bears yellow flowers?
- Jasminum sambac*
  - Tabernamontana divertica*
  - Thevetia nerifolia***
  - Hibiscus Rosa sinensis*
437. Which of following trees has stem beauty?
- Buddha tree
  - Sterculia
  - Royal palm
  - All above**
438. English Ivy (*Hedera helix*) is
- Evergreen groundcover**
  - Evergreen shrub
  - Deciduous shrub
  - deciduous groundcover
439. *Jacaranda mimosifolia* has
- Red flowers
  - Yellow flowers
  - White flowers
  - Blue flowers**
440. Which of the following is an evergreen shrub?
- Lagerstroemia indica*
  - Plumeria rubra*
  - Caesalpenia pulchrema*
  - Pittosporum tobira***
441. Gladiolus is propagated through
- Bulbs
  - Corms**
  - Tubers
  - cuttings
442. Most houseplants, except cacti, prefer a highly organic and
- Neutral growing medium
  - Slightly alkaline growing medium
  - Slightly acidic growing medium**
  - None of above
443. *Ficus pamula* is a
- Shrub
  - Tree
  - Creeper**
  - Annual
444. Which of the following tree is commonly used in the Landscape of arid zone?
- Ficus elastica*
  - Pethocelobium dulce*
  - Pinus longifolia*
  - Prosopis juliflora***
445. Edwin budding invented the first \_\_\_\_\_ machine
- Mowing**
  - Topdressing
  - Pinching
  - None of the above
446. Most grass species utilized for turf are characterized by
- Prostrate creeping growth
  - Fine to medium texture
  - Short basal nodes
  - All above**
447. Which of the following trees changes colour during winter?
- Albizzia lebbek*
  - Delonix regia*
  - Sapium seveferum***
  - Thuja orientalis*
448. Which of the following plants is known as dessert saroo?
- Populus nigra*
  - Bahinia varigata*
  - Sapium seveferum*
  - Casuarina equistifolia***
449. Which of the following climber belongs to family oleaceae?
- Tecoma grandiflora*
  - Lonicera japonica*
  - Bougainvillea glabra*
  - Jasminum grandiflora***
450. Tecoma stans is a
- Shrub**
  - Tree

- c. Creeper
  - d. None of above
451. Tuber is a
- a. Root
  - b. Flower
  - c. **Underground stem**
  - d. Fruit
452. \_\_\_\_\_ is a summer flowering geophyte having fragrant flowers
- a. **Tuberose**
  - b. Gladiolus
  - c. Lilium
  - d. Tulip
453. Dacca is a
- a. Weed
  - b. Shrub
  - c. **Turfgrass**
  - d. None of these
454. Chrysanthemum is propagated through
- a. Suckers
  - b. Cuttings
  - c. **a & b**
  - d. None of above
455. Solarisation is a technique used to
- a. **Disinfect the soil**
  - b. Enhance photosynthesis
  - c. Increase vase life
  - d. None of above
456. A climbing plant with woody stem is called
- a. Vine
  - b. **Liana**
  - c. Hedge
  - d. None of the above
457. Hard, thorny structures which protect the buds of woody plants during winter, are called
- a. Nodes
  - b. **Scales**
  - c. Bracts
  - d. None of all
458. A common example of incomplete flower is
- a. Apetalous flower
  - b. Staminate flower
  - c. Pistillate flower
  - d. **All the above**
459. To preserve the germination ability of most seeds, store them in a
- a. Warm, dry environment
  - b. **Cool, dry environment**
  - c. Cool environment after scarification
  - d. Warm, moist environment after stratification
460. The soil pH level primarily controls
- a. Soil temperature
  - b. Activity of soil-borne diseases
  - c. Moisture absorption by roots
  - d. **Availability of essential plant nutrients**
461. Which country is leading cut rose exporter to European union countries?
- a. Germany
  - b. Japan
  - c. Canada
  - d. **Kenya**
462. \_\_\_\_\_ is the common rootstock used for cut roses in Pakistan
- a. *Rosa canina*
  - b. *Rosa centifolia*
  - c. *Rosa damascena*
  - d. ***Rosa bourboniana***
463. Which of the following species bear flowers throughout year?
- a. *Rosa damascena*
  - b. *Rosa bourboniana*
  - c. ***Rosa centifolia***
  - d. None of above
464. Which of the following gladiolus cultivar has less light requirement for flowering?
- a. White Prosperity
  - b. **White Friendship**
  - c. Amsterdam
  - d. None of above
465. Which of the following lilium group bear a greater number of flowers per stem?



- a. Oriental
  - b. Asiatic**
  - c. Easter
  - d. None of above
466. Which of the tree bears red colour flowers during summer?
- a. *Erythrena subrosa***
  - b. *Albizia lebbek*
  - c. *Sapium sebiferum*
  - d. *Thuja orientalus*
467. Which of the following plants is propagated through grafting?
- a. *Cassia nodosa***
  - b. *Bahinia veriegata*
  - c. *Euclyptus rostrata*
  - d. None of the above
468. Which of the following rose insect can be controlled by spraying water?
- a. Termites
  - b. Scales
  - c. Thrips
  - d. Red spider mites**
469. Which of the following is not true for *Ficus elastica*?
- a. Foliage plant
  - b. House plant
  - c. Flowering plant**
  - d. Indoor plant
470. The colour of cosmos flowers is
- a. White
  - b. Purple
  - c. Pink
  - d. All above**
471. Which of the following requires severe pruning?
- a. Gaillardia
  - b. Rose**
  - c. Jasmine
  - d. Portulaca
472. Commercial method of propagation of Hybrid Tea roses is
- a. Layering
  - b. Budding**
  - c. Cutting
  - d. Seed
473. Which one of these belongs to family Compositae?
- a. Jasmine
  - b. Chrysanthemum**
  - c. Carnation
  - d. Ficus
474. The colour of Gomphrena flowers is
- a. White
  - b. Purple
  - c. Pink
  - d. All of these**
475. Portulaca can be propagated through\_\_\_\_\_.
- a. Seed
  - b. Cutting
  - c. Both a and b**
  - d. None of these
476. Commercially, soilless substrates are being used for greenhouse cut rose production because they have
- a. High water holding capacity
  - b. High porosity
  - c. Readily available nutrients
  - d. All of above**
477. Which of the following plants is more drought-resistant?
- a. *Melia azedarech***
  - b. *Araucaria exelsa*
  - c. *Grevillea robusta*
  - d. *Acer palmatum*
478. Which of the following annuals is used as ground cover?
- a. Ice plant**
  - b. Stock
  - c. Viola
  - d. Snapdragon
479. Which of these plants is deciduous in nature?
- a. *Callistemon lenceolatis*
  - b. *Alstonia scholaris*
  - c. *Delonix regia***

- d. *Citrus mitis*
480. How many corms are commercially used to plant one acre of gladiolus in Punjab plains?
- 40,000
  - 50,000
  - 60,000**
  - 70,000
481. Which of the following trees bear fragrant flowers?
- Delonix regia*
  - Crataeva religiosa*
  - Sapium seveferum***
  - Erhthrina subrosa*
482. Which of the following annuals is used as dry flower?
- Alysum
  - Dimorphotheca
  - Achroclinum**
  - Nemesia
483. Air embolism is a \_\_\_\_\_ disorder in cut flowers:
- Nutritional
  - Postharvest**
  - Environmental
  - None of above
484. Rooting of cuttings may be enhanced by dipping in
- Indole 3-butyric acid**
  - Ascorbic acid
  - Gibberellic acid
  - None of Above
485. Which of the following climbers is hardy and flowering
- Bougainvillia glabra***
  - Antigonon leptopus*
  - Vernonia eleaegnifolia*
  - All of Above
486. The colour of Hamelia flowers is \_\_\_\_\_.
- Red**
  - White
  - Purple
  - None of these
487. Leaves of \_\_\_\_\_ are like big fern, covered with silk grey hairs.
- Gold Mohr
  - Silver Oak**
  - Bottle Palm
  - Araucaria
488. Cut flower is a flower which has
- Long sturdy stem**
  - Essential oil contents
  - No prickles
  - All of Above
489. Which of the following requires severe pruning?
- Bottle palm
  - Lagerstroemia**
  - Jasmine
  - Ficus
490. The flower colour of Passiflora is
- Red
  - White
  - Purple**
  - None of these
491. The flower colour of Jacaranda is
- Red
  - White
  - Blue**
  - None of these
492. Pulsing is a technique used to
- Dehydrate temperate fruits
  - Disinfect the soil
  - Increase vase life**
  - None of Above
493. Which of the following statements concerning weed control is true?
- ground covers make weed control difficult
  - the safest means of controlling weeds is the chemical spray
  - lawn herbicides should not be applied to newly established lawns**
  - lawn herbicides should be applied in mid-July.

494. Healing of bruised and cut surfaces of bulbous crops is called
- Pulsing
  - Curing**
  - Sterilization
  - None of the Above
495. Salt tolerant turfgrass is
- Zoysia
  - Paspalum**
  - Bermuda
  - All of Above
496. Bending of inflorescence tips in some cut flower crops when placed horizontally is called?
- Positive Photoperiodism
  - Negative Gravitropism**
  - Negative Epinasty
  - None of the Above
497. Which of the following tree bears fragrant flowers?
- Delonix regia*
  - Pinus roxburghii*
  - Papulus elegni*
  - Magnolia grandiflora***
498. 'Roundup' is a
- Turfgrass
  - Weedicide**
  - Fungus
  - Preservative
499. Which of the following trees is commonly used along avenues?
- Taebubea
  - Shireen
  - Simbal
  - None of the above**
500. \_\_\_\_\_ is the best method for quicker lawn establishment
- Plugging
  - Sprigging
  - Seeding
  - Sodding**
501. Judicious removal of plant parts to develop plant framework is called
- Pruning
  - Training**
  - Pinching
  - Topworking
502. For minimal transplanting shock, nursery of horticultural crops can be raised by
- Tissue culture
  - Hydroponic culture
  - Pot culture
  - Plug culture**
503. Any detached plant part placed under favourable conditions will produce a new plant identical to the parent plant is called a
- Cutting**
  - Seed
  - Plug
  - Graft
504. Excessive Humidity in roses causes
- Powdery mildew
  - Downy mildew
  - Black spots
  - All Above**
505. Tulip is an example of
- Corm
  - Bulb**
  - Rhizome
  - None of Above
506. Freesia is an example of
- Corm**
  - Bulb
  - Rhizome
  - None of Above
507. Planting season of gladiolus in plains is
- September - October**
  - March-April
  - May-June
  - None of Above

508. Cut roses grown at temperatures higher than 30°C produce
- Large size flowers
  - Small size flowers**
  - Normal size flowers
  - None of Above
509. In roses, \_\_\_\_\_ are produced under cool temperatures below 10°C.
- Necrotic flowers
  - Bull heads**
  - Both a and b
  - None of these
510. Major disease of gladiolus in Punjab plains is
- Botrytis rot
  - Fusarium rot**
  - Bacterial rot
  - None of these
511. Gladiolus has a flower spike bearing a double row of \_\_\_\_\_ shaped florets.
- Trumpet**
  - Umbrella
  - Bell
  - None of Above
512. The planting time of gladiolus in hilly areas of Pakistan is \_\_\_\_\_.
- September - October
  - March-April**
  - May-June
  - None of Above
513. Carnation is a \_\_\_\_\_ day plant.
- Long day**
  - Short day
  - Day neutral
  - None of these
514. \_\_\_\_\_ is a class of chrysanthemum with a flattened bloom with short petals.
- Spoon
  - Decorative**
  - Pompon
  - None of these
515. In reflex type of chrysanthemum, the florets are curved
- Upward
  - Downward**
  - Both
  - None of these
516. Old and conventional method of chrysanthemum propagation is through \_\_\_\_\_.
- Suckers**
  - Layering
  - Budding
  - All of Above
517. In roses, after pruning all wounds are painted with the \_\_\_\_\_.
- Pesticide
  - Bactericide
  - Fungicides**
  - None of Above
518. Rose belongs to family \_\_\_\_\_.
- Agavaceae
  - Compositae
  - Malvaceae
  - None of Above**
519. The family of chrysanthemum is \_\_\_\_\_.
- Agavaceae
  - Compositae**
  - Malvaceae
  - None of these
520. Iris is an example of \_\_\_\_\_.
- Bulb
  - Corm
  - Rhizome**
  - None of these
521. Filling of plant tissues with carbohydrates to ensure sufficient substrate for flowers to mature and extend longevity, is called.
- Pulsing**
  - Sleeving
  - Curing
  - None of Above

522. Bull head is a rose disorder caused by
- Nutrient deficiency
  - Low temperature**
  - Disease attack
  - None of the above
523. Training plants into three-dimensional ornamental forms, such as animals, is called
- Topiary**
  - Espalier
  - Heading back
  - Bonsai
524. Which of the following is not the principal constituent of seed storage reserves?
- Carbohydrates
  - Fats and oils
  - Proteins
  - ABA**
525. Hormones which control apical dominance are
- Auxins**
  - Cytokinin
  - Gibberellins
  - Polyamines
526. Orthodox seeds after dissemination may be
- Ready to germinate
  - Dormant**
  - Quiescent
  - All of above
527. Secondary dormancy in non-dormant seeds is due to
- Temperature**
  - Moisture
  - Aeration
  - Growth regulators
528. Stage at which seed achieves its maximum dry weight is
- Physiological maturity**
  - Edible maturity
  - Harvest maturity
  - None of above
529. Seed vigor is affected by:
- Time of storage
  - Type of seed stored
  - Storage environment
  - All of above**
530. Tetrazolium test to check seed viability is a
- Chemical test
  - Enzyme test
  - Germination test
  - a & b**
531. Production of seeds without fertilization is termed as
- Parthenocarpy
  - Parthenogenesis**
  - Gametogenesis
  - All of above
532. Endosperm like tissue (2n) in seed developing from nucellus is
- Endosperm
  - Cotyledon
  - Perisperm**
  - Mericarp
533. Male sterility promotes
- Autogamy
  - Allogamy**
  - Homogamy
  - None of above
534. What type of mulches reduce soil temperature?
- Organic mulch**
  - Gray polythene
  - Black polythene
  - Transparent polythene
535. For hybrid seed production \_\_\_\_\_ flowers are completely suppressed on female plants.
- Staminate**
  - Pistillate
  - Staminode
  - Alternate
536. During stratification, the most important factor is
- Temperature
  - Duration

- c. a & b
  - d. None of above
537. Removal of off type plants from a seed field is termed as
- a. Weeding
  - b. Rouging
  - c. Mowing
  - d. Hoeing
538. Isolation during seed production is done by
- a. Time
  - b. Plantation at a distance
  - c. Zoning
  - d. All of above
539. Flowers of entomophilous plants have \_\_\_\_\_ as attraction for insects
- a. Nectar
  - b. Colour and patterns of petals
  - c. Pollen
  - d. All of Above
540. In anemophilous plants, pollens are disseminated by means of
- a. Insects
  - b. Water
  - c. Wind
  - d. Gravity
541. Self-pollination is a form of
- a. Inbreeding
  - b. Out breeding
  - c. Random mating
  - d. None of Above
542. Cross pollination is associated with
- a. Cleistogamy
  - b. Homostyly
  - c. Dichogamy
  - d. All of above
543. Type of cuttings taken in dormant season, when tissues are fully matured and lignified, is termed as
- a. Softwood
  - b. Semi-hardwood
  - c. Hardwood
  - d. Herbaceous
544. Name four plants which are often propagated from herbaceous cuttings
- a. Carnation, Chrysanthemum, Coleus and Geranium
  - b. Azalea, Coleus, Geranium and Rose
  - c. Coleus, Ruscus, Gardenia and holly
  - d. Tuberose, Syngonium, Hibiscus and Dracaena
545. Sodium hypochlorite is used to
- a. Eliminate unsightly insect damage
  - b. Conserve moisture
  - c. Enhance rooting
  - d. Sterilize cutting tools
546. Flower opening is termed as
- a. Emasculation
  - b. Anthesis
  - c. Dehiscence
  - d. Fecundation
547. The ability of somatic cells to grow into a complete plant is termed as
- a. Somatic embryogenesis
  - b. Totipotency
  - c. Regeneration
  - d. All of above
548. Which method is used to check pollen viability in the laboratory?
- a. Staining
  - b. Spectrophotometric
  - c. Refractophotometric
  - d. None of above
549. Damping-off is caused by
- a. Fungi
  - b. Bacteria
  - c. Nematodes
  - d. Viruses
550. The most common pollinator insect in Pakistan is
- a. Syrphid fly
  - b. Bumble bees
  - c. Honeybees
  - d. House fly

551. Which of the following is NOT a geophyte?
- Gladiolus
  - Chrysanthemum**
  - Lilium
  - Tulip
552. Imbibed seeds subjected to cold temperature is termed as
- Scarification
  - Stratification**
  - Vernalization
  - Sterilization
553. Which type of flowers cannot produce seeds and / or fruit?
- Pistillate
  - Perfect
  - Hermaphrodite
  - Staminate**
554. Leaf senescence can be retarded by the application of
- Auxins
  - Gibberellins
  - Cytokinin**
  - Abscisic acid
555. Silver thiosulphate is commercially used as
- Biocide
  - Anti-ethylene agent
  - Preservative
  - All of Above**
556. Plants that have been clipped or pruned into two-dimensional forms are
- Espalier**
  - Topiary
  - Balanced
  - Dynamic
557. Which of the following is a group of terms related to landscape design principles?
- Stratify, random, curvature
  - Focalization, proportion, simplicity**
  - Hogarth, symmetrical, curvature
  - Thresh, rounding, complexity
558. Callus is a term usually referring to
- The tissue on the collar of a limb
  - The first tissue to develop on a cutting just before the roots form**
  - Deformed growth on plant limbs
  - A disease of plant leaves and limbs
559. Which of the following describes plants that lose their leaves during the winter?
- Evergreen
  - Deciduous**
  - Coniferous
  - Herbaceous
560. Examples of cool season grasses include perennial ryegrass, bentgrass, and
- Bermudagrass
  - Fescue**
  - St. Augustine
  - Zoysia
561. Which one of the following is not a solanaceous vegetable?
- Tomato
  - Eggplant
  - Broccoli**
  - Peppers
562. Most of the commercially grown Cucurbits in Pakistan are \_\_\_\_\_ plants.
- Monoecious**
  - Dioecious
  - Biennial
  - Hermaphrodite
563. Which day/night temperature negatively affects fruit set in tomato?
- 25 & 18 °C
  - 25 & 20 °C
  - 30 & 20 °C
  - 35 & 25 °C**
564. \_\_\_\_\_ soil is considered the best for high yield of vegetable crops.
- Sandy
  - Clay
  - Silt
  - Loam**
565. Which of the following type of tomatoes are commercially grown in vertical farming system in Pakistan?
- Bushy
  - Determinate

- c. Cherry
  - d. Indeterminate
566. Which soil type is suitable for early vegetable production?
- a. Sandy
  - b. Clay
  - c. Silt
  - d. All of these
567. \_\_\_\_\_ is an example of monocots.
- a. Leek
  - b. Cabbage
  - c. Carrot
  - d. Tomato
572. \_\_\_\_\_ is the best stage for marketing of tomato.
- a. Mature green
  - b. Turning
  - c. Red
  - d. Immature green
573. \_\_\_\_\_ is an example of herbaceous perennials.
- a. Cabbage
  - b. Turmeric
  - c. Okra
  - d. Cucumber
574. Phenomena of partial senescence is not observed in \_\_\_\_\_.
- a. Turmeric
  - b. Garlic
  - c. Ginger
  - d. Spinach
575. \_\_\_\_\_ takes maximum time in the nursery.
- a. Tomato
  - b. Onion
  - c. Chili
  - d. Lettuce
576. Garlic is usually commercially propagated through \_\_\_\_\_.
- a. Rhizomes
  - b. Tubers
  - c. Corms
  - d. Cloves
577. Study of a race or plant type or species in relation to its evolutionary history is known as \_\_\_\_\_.
- a. Histology
  - b. Phylogeny
  - c. Ontogeny
  - d. Anatomy
578. Use of \_\_\_\_\_ can greatly reduce production cost of hybrid seed on commercial scale.
- a. Skilled labour
  - b. Favourable environment
  - c. Male sterile lines
  - d. Less fertilizers
579. Sex ratio in cucurbits is affected by \_\_\_\_\_.
- a. Day length
  - b. Temperature
  - c. Age of plant
  - d. All of these
580. \_\_\_\_\_ is required for high sugar content and good taste of *Cucumis melo*.
- a. Hot & humid air
  - b. Hot & dry
  - c. Hot & rainy
  - d. Dry & mild
581. \_\_\_\_\_ is considered as day neutral plant.
- a. Tomato
  - b. Spinach
  - c. Cauliflower
  - d. Okra
582. \_\_\_\_\_ is the study that deals with the microscopic structures of tissues.
- a. Anatomy
  - b. Histology
  - c. Ontogeny
  - d. Phylogeny
583. High sugar content and good taste of watermelon are not much affected by \_\_\_\_\_ as in case of muskmelon.
- a. Atmospheric humidity
  - b. Temperature
  - c. Soil moisture
  - d. All of these



584. Hypogeal germination is commonly observed in \_\_\_\_\_.
- Peas
  - Luffa
  - Radish
  - Muskmelon
585. Which of the following is not a biennial vegetable?
- Carrot
  - Cabbage
  - Radish
  - Peas
586. Vegetative parthenocarpy is sometimes observed in \_\_\_\_\_.
- Tomato
  - Potato
  - Okra
  - Bitter gourd
587. Centre of origin for potato is \_\_\_\_\_.
- South America
  - Eastern Asia
  - Africa
  - China
588. \_\_\_\_\_ is transfer of the pollen grains of a flower to the stigma of the same flower or flowers of the same plant.
- Allogamy
  - Autogamy
  - Herkogamy
  - Polygamy
589. Application of nitrogen at late stages of crop production is highly injurious for consumer in \_\_\_\_\_ crops.
- Carrot
  - Cauliflower
  - Tomato
  - Cucumber
590. \_\_\_\_\_ is a common potherb commercially cultivated in Pakistan during winter and in late summer months.
- Amaranth
  - Okra
  - Spinach
  - Fenugreek
591. Minimum recommended isolation distance for self-pollinated vegetable seed crops is \_\_\_\_\_ m.
- 50
  - 250
  - 500
  - 100
592. \_\_\_\_\_ can be grown from sprouts, draws and cuttings.
- Potato
  - Sweet Potato
  - Mint
  - Colocasia
593. Pollination is not compulsory for fruit setting in commercial cultivars of \_\_\_\_\_ grown in off-season.
- Bitter gourd
  - Cucumber
  - Muskmelon
  - Tomato
594. \_\_\_\_\_ is an example of often cross-pollinated vegetable.
- Carrot
  - Celery
  - Okra
  - Onion
595. In case of \_\_\_\_\_ plants both male and female flowers are borne on separate plants.
- Dioecious
  - Monoecious
  - Polygamous
  - Hermaphrodite
596. Allyl propyl disulphide is found in \_\_\_\_\_.
- Bitter gourd
  - Onion
  - Turnip
  - Radish
597. Which of the following vegetable is not a Cole crop?
- Broccoli
  - Kohlrabi
  - Cauliflower
  - Lettuce

598. Phulkara is the popular variety of \_\_\_\_\_.
- Onion
  - Garlic
  - Chive
  - Shallot
599. Rosset growth is the characteristic of \_\_\_\_\_ vegetables.
- Annual
  - Biennial
  - Perennial
  - Summer
600. Kohlrabi is also known as \_\_\_\_\_.
- Knol-Khol
  - Indian Squash
  - Ribbed Gourd
  - Crucifer
601. By-product of \_\_\_\_\_ is used in paper industry.
- Bitter gourd
  - Okra
  - Pumpkin
  - Potato
602. *Luffa* is the genus of \_\_\_\_\_.
- Pumpkin
  - Ash gourd
  - Sponge gourd
  - Bitter gourd
603. Watermelon is considered native to \_\_\_\_\_.
- Africa
  - Asia
  - Europe
  - North America
604. Which of the following has ability to fix atmospheric nitrogen?
- Bitter gourd
  - Spinach
  - Muskmelon
  - Cowpea
605. Which of the following is member of Chenopodiaceae family?
- Beet
  - Spinach
  - Swiss chard
  - All of these
606. Sabz Pari is commonly used variety of \_\_\_\_\_ in Punjab.
- Carrot
  - Radish
  - Turnip
  - Okra
607. \_\_\_\_\_ is a shallow rooted vegetable crop.
- Cabbage
  - Okra
  - Tomato
  - Bottle gourd
608. In case of \_\_\_\_\_ flowers the stigma matures a head of the anthers.
- Protogynous
  - Protandrous
  - Homogamous
  - Allogamous
609. \_\_\_\_\_ is a highly salt tolerant vegetable.
- Radish
  - Pea
  - Spinach
  - Pepper
610. \_\_\_\_\_ of onion varieties for processing should be higher than those for fresh consumption.
- Water content
  - Dry matter content
  - Starch content
  - Vitamins
611. \_\_\_\_\_ is rarely practiced for production of vegetable crops.
- Strip-tillage
  - Mulch-tillage
  - Zero-tillage
  - Ridge-tillage
612. A beverage known as *kanji* is made from \_\_\_\_\_.
- Radish
  - Turnip

- c. Carrot  
d. Tomato
613. In hilly areas of the Pakistan which of the following mushrooms grows naturally?  
a. Oyster mushroom  
b. Milky mushroom  
c. Button mushroom  
d. Black morel mushroom
614. Vegetable forcing is commonly practiced in \_\_\_\_\_.  
a. Tomatoes  
b. Cucumbers  
c. Bell Peppers  
d. All of these
615. \_\_\_\_\_ are rich source of ascorbic acid.  
a. Lettuce  
b. Potatoes  
c. Peas  
d. Peppers
616. \_\_\_\_\_ are considered as tender crop in relation to tolerance for minimum temperature.  
a. Cucumbers  
b. Peas  
c. Cabbage  
d. Turnip
617. \_\_\_\_\_ needs vernalization treatment for flower induction.  
a. Okra  
b. Cabbage  
c. Tomato  
d. Pea
618. \_\_\_\_\_ is considered as deep-rooted vegetable.  
a. Onion  
b. Cabbage  
c. Cauliflower  
d. Tomato
619. Critical period for water supply to cauliflower for fresh consumption is \_\_\_\_\_.  
a. Pollination  
b. Pod Development  
c. Flowering  
d. Head development
620. \_\_\_\_\_ is considered as an enriched source of iron.  
a. Brussels Sprout  
b. Cauliflower  
c. Spinach  
d. Tomato
621. \_\_\_\_\_ is considered as non-climacteric fruit.  
a. Tomato  
b. Cucumber  
c. Musk melon  
d. Honeydew melon
622. Radiation is rarely used for pasteurization of \_\_\_\_\_.  
a. Tomato  
b. Spinach  
c. Potato  
d. Onion
623. Which of the following mushroom is commonly grown in Pakistan with ease?  
a. Oyster mushroom  
b. Black morel mushroom  
c. Milky mushroom  
d. All of these
624. Chilling injury to harvested produce occur in subtropical and tropical vegetables after a short exposure at temperature below \_\_\_\_\_.  
a. 18 °C  
b. 15 °C  
c. 10 °C  
d. 5 °C
625. Faisalabad long is an important local variety of \_\_\_\_\_.  
a. Bottle gourd  
b. Sponge gourd  
c. Ridged gourd  
d. Bitter gourd
626. \_\_\_\_\_ is not suitable for truck gardening if road and transport facilities are not good.  
a. Tomato  
b. Onion  
c. Garlic  
d. Potato

627. The longest carrot roots are produced in temperature range of \_\_\_\_\_.
- 5-10°C
  - 30-40°C
  - 25-35°C
  - 10-15°C**
628. Which of the following has shortest shelf life at room temperature?
- Tomato
  - Potato
  - Brinjal
  - Button Mushroom**
629. The inflorescence of onion is known as \_\_\_\_\_.
- Panicle
  - Umbel**
  - Truss
  - Head
630. \_\_\_\_\_ can be propagated through cutting.
- Potato
  - Lettuce
  - Coriander
  - Mint**
631. Optimum pH range for crop growth of most vegetable crops is \_\_\_\_\_.
- 4-5
  - 6-7**
  - 7-8
  - 8-9
632. \_\_\_\_\_ is an important insect pest of cruciferous crops.
- Cabbage butterfly**
  - Red pumpkin beetle
  - Golden nematodes
  - Hadda beetle
633. Lettuce seeds do not germinate properly when the soil temperature is above \_\_\_\_\_.
- 10 °C
  - 15 °C
  - 20 °C
  - 30 °C**
634. \_\_\_\_\_ is used for pre-sowing seed treatment, which provides natural protection against diseases and increase tolerance against environmental stresses?
- Rhizobium*
  - Agrobacterium*
  - Trichoderma***
  - Pseudomonas*
635. Cloves are present in \_\_\_\_\_.
- Ginger
  - Turmeric
  - Garlic**
  - Potato
636. Seedlings grown in \_\_\_\_\_ can be transplanted without any damage to root system.
- Flat beds
  - Raised beds
  - Plug trays**
  - Earthen pots
637. Which of the following substrates can be used for oyster mushroom cultivation?
- Cotton waste
  - Wheat straw
  - Paddy Straw
  - All of these**
638. Size and shape of seeds changes due to \_\_\_\_\_.
- Coating
  - Pelleting**
  - Soaking
  - Priming
639. Asparagus crop is \_\_\_\_\_ in nature.
- Annual
  - Biennial
  - Perennial**
  - Hermaphrodite
640. Which of following is considered as basic component of precision farming?
- Remote sensing
  - Geographical information system
  - Global positioning system
  - All of these**

641. Which of the following method is commercially viable in Pakistan for precooling of vegetables?
- Room cooling
  - Forced air cooling
  - Hydrocooling**
  - All of these
642. Curing is mandatory for better storage of \_\_\_\_\_.
- Tomato
  - Onion**
  - Potato
  - Leek
643. Maleic hydrazide is commonly used as sprout inhibitor in case of \_\_\_\_\_.
- Tomato
  - Cabbage
  - Onion**
  - Potato
644. \_\_\_\_\_ belongs to Fabaceae family?
- Colocasia
  - Peas**
  - Coriander
  - Lettuce
645. Falling of top or bending of neck is harvesting index of \_\_\_\_\_.
- Garlic
  - Potato
  - Leek
  - Onion**
646. Recommended isolation distance for pure seed production of cross-pollinated vegetable crops is \_\_\_\_\_.
- 250 m
  - 500 m
  - 750 m
  - 1000 m**
647. \_\_\_\_\_ is the removal of off-type plants in vegetable seed production.
- Steckling
  - Thinning
  - Rouging**
  - Ratooning
648. Synchronization of flowering among parents is compulsory in seed production of \_\_\_\_\_.
- Open-pollinated variety
  - F1 hybrid**
  - Land race
  - All of these
649. Commercial nursery production in cucumber and some other cucurbits is possible if grown using \_\_\_\_\_.
- Raised beds
  - Hot beds
  - Plug trays**
  - Cold frames
650. Early melon and watermelon crops can be grown on \_\_\_\_\_ without use of tunnels?
- Hill tops
  - Raised beds
  - Riverbeds**
  - Flat beds
651. Which of the following is common problem in vegetable nurseries?
- Collar rot
  - Wilt
  - Damping-off**
  - Nematodes
652. \_\_\_\_\_ is the best method of micronutrient application in high pH soil.
- Row banding
  - Top-dressing
  - Fertigation
  - Foliar application**
653. Which of the following vegetable is usually not transplanted?
- Tomato
  - Peas**
  - Brinjal
  - Lettuce
654. Suitable age for transplanting in weeks for brinjal crop is \_\_\_\_\_.
- 1-2
  - 3-4**
  - 6-8
  - 8-10

655. Which of the following is an example of Auxins?
- Indole acetic acid
  - Indole butyric acid
  - Naphthaleneacetic acid
  - All of these**
656. Which of the following is considered as growth retardant?
- Auxins
  - Gibberellins
  - Abscisic acids**
  - Cytokinin
657. \_\_\_\_\_ is the most efficient irrigation system for vegetables in Pakistan.
- Flood irrigation
  - Overhead sprinkler
  - Furrow irrigation
  - Drip irrigation**
658. Which of following is the physiological disorder of tomato?
- Soft rot
  - Blossom end rot**
  - Hollow heart
  - Black leg
659. \_\_\_\_\_ mulch is the best to avoid water loss, prevent weed infestation, and disease spread.
- Black polythene**
  - White polythene
  - Organic
  - All of these
660. Solanine is responsible for greening of edible part in \_\_\_\_\_.
- Potato**
  - Brinjal
  - Tomato
  - Chilies
661. Purple blotch is common disease of \_\_\_\_\_.
- Bitter gourd
  - Onion**
  - Tomato
  - Cucumber
662. Commercially, transplanting is delayed in tunnels in following order?
- High>Walk-in>Low**
  - High> Low >Walk-in
  - Low>Walk-in>High
  - Walk-in >High >Low
663. \_\_\_\_\_ is the most popular F1 hybrid of tomato for off-season production in tunnels.
- Money maker
  - Nagina
  - Sahil**
  - Dilpasand
664. Which of the following bear hermaphrodite flowers?
- Peas**
  - Spinach
  - Asparagus
  - Tinda gourd
665. \_\_\_\_\_ is the ideal condition for high yield of potato.
- Long days + mild temperature
  - Short days + mild temperature**
  - Long days + high temperature
  - Short days + high temperature
666. Which of the following is root vegetable crop but complete edible portion remain above soil surface?
- Carrot
  - Radish
  - Beet root
  - Turnip**
667. Golden ball and purple top are promising varieties of \_\_\_\_\_.
- Turnip**
  - Carrot
  - Radish
  - Onion
668. \_\_\_\_\_ vegetable is dioecious?
- Spinach**
  - Coriander
  - Cabbage
  - Fenugreek

669. \_\_\_\_\_ is a cucurbitaceous vegetable but does not produce vine during peak production period?
- Pumpkin
  - Indian squash
  - Cucumber
  - Vegetable marrow**
670. \_\_\_\_\_ is most susceptible to frost?
- Cabbage
  - Cucumber**
  - Turnip
  - Spinach
671. Turmeric and ginger are normally asexually propagated through \_\_\_\_\_.
- Corms
  - Rhizome**
  - Tubers
  - Offshoots
672. Flowering does not occur in \_\_\_\_\_ in Pakistan.
- Onion
  - Garlic**
  - Coriander
  - Fenugreek
673. Bolivia, Ecuador and Peru are the centre of origin of \_\_\_\_\_.
- Brinjal
  - Potato**
  - Garlic
  - Ash gourd
674. Edible portion of radish is \_\_\_\_\_.
- Tap root
  - Hypocotyl
  - Hypocotyl + root**
  - Crown
675. In tomato, a period of drought followed by sudden heavy watering during fruit development may cause \_\_\_\_.
- Fruit cracking**
  - Cat face
  - Blossom end rot
  - Blotchy ripening
676. Colour change of tomato is delayed in tunnel cultivated tomato due to \_\_\_\_\_.
- High nitrogen
  - Low light condition
  - Low temperature
  - All of these**
677. \_\_\_\_\_ deficiency is usually considered the cause of blossom end rot in tomatoes.
- Potassium
  - Calcium**
  - Boron
  - Zinc
678. Which of following vegetables is not recommended for kitchen gardening?
- Coriander
  - Carrot
  - Radish
  - Asparagus**
679. Honey dew is a well-known cultivar of \_\_\_\_\_.
- Ash gourd
  - Cucumber
  - Watermelon
  - Melon**
680. \_\_\_\_\_ attacks at cotyledonary stage in cucurbitaceous crops.
- Hadda beetle
  - Red pumpkin beetle**
  - Red palm weevil
  - Stink bug
681. Santa and Kuroda are the commercially cultivated varieties of \_\_\_\_\_.
- Onion
  - Potato**
  - Brinjal
  - Tomato
682. \_\_\_\_\_ is the common disease of tomato and potato in Pakistan and in most of the countries.
- Bacterial wilt
  - Blight**
  - Scab
  - Cracking
683. Scab incidence is increasing in \_\_\_\_\_ growing districts of Punjab.
- Potato**
  - Tomato

- c. Okra
  - d. Cabbage
684. Club root is the common disease of crops from family\_\_\_\_\_.
- a. Cucurbitaceae
  - b. **Cruciferae**
  - c. Malvaceae
  - d. Solanaceae
685. \_\_\_\_\_ is a winter crop but susceptible to frost at heading stage.
- a. Peas
  - b. **Cabbage**
  - c. Carrot
  - d. Radish
686. \_\_\_\_\_ increase soil acidity, reduces water and nutrient absorption by roots and thus reduces root growth.
- a. High atmospheric humidity
  - b. High temperature
  - c. Low atmospheric humidity
  - d. **Low temperature**
687. \_\_\_\_\_ is an undesirable feature in vegetable crops grown for fresh consumption but desirable in seed production and is influenced by exposure to low temperature.
- a. Vegetative growth
  - b. Root formation
  - c. **Bolting**
  - d. Fruit setting
688. Garlic will produce large sized cloves if exposed to cool weather during \_\_\_\_\_ stage.
- a. Sprouting
  - b. **Early vegetative**
  - c. Late vegetative
  - d. Bulb formation
689. Most of the potato genotypes do not form stolon and tubers at day and night temperature higher than\_\_\_\_\_.
- a. **29 & 20 °C**
  - b. 25 & 20 °C
  - c. 25 & 17 °C
  - d. All of these
690. Excessive humidity negatively affects \_\_\_\_\_ and thus affects seed yield.
- a. Flowering
  - b. **Pollen release**
  - c. Pollen germination
  - d. Fertilization
691. Frequent irrigation is required when \_\_\_\_\_ prevails because it increases evapotranspiration.
- a. Warm & humid winds
  - b. **Warm & dry winds**
  - c. Cool & humid winds
  - d. Cool & dry winds
692. \_\_\_\_\_ soil is relatively fertile but not suitable for root crops.
- a. Sandy
  - b. Silt
  - c. Loam
  - d. **Clay**
693. \_\_\_\_\_ crop is short duration and have shallow root system.
- a. Tomato
  - b. Okra
  - c. Bottle gourd
  - d. **Cabbage**
694. Yield in \_\_\_\_\_ is dependent on vegetative growth of plants before fruit set.
- a. Tunnel tomato
  - b. Okra
  - c. Bottle gourd
  - d. **Peas**
695. \_\_\_\_\_ soils do not require frequent irrigation and fertilizer application but are not suitable for most of the vegetables.
- a. **Clayey**
  - b. Loamy
  - c. Sandy
  - d. Silt
696. \_\_\_\_\_ is unavailable to plants in highly acidic soils.
- a. Nitrogen
  - b. **Phosphorus**
  - c. Potash
  - d. Iron
697. Which of the following will have major effect on fertilizer quantity to be applied for deep rooted crops?
- a. **Fertilizers applied to previous crop**
  - b. Soil type



- c. Climatic conditions
  - d. Irrigation method
698. \_\_\_\_\_ method will enhance fertilizer use efficiency in soils having problem of nutrient fixation.
- a. Broadcasting
  - b. Top dressing
  - c. **Band placement**
  - d. All of these
699. Sandy soils are characterized by \_\_\_\_\_.
- a. **Low in nutrient contents**
  - b. Good in moisture retention
  - c. Need less fertilizers
  - d. Poor drainage
700. \_\_\_\_\_ province is leading in onion production.
- a. **Sindh**
  - b. Baluchistan
  - c. Punjab
  - d. Khyber Pakhtunkhwa
701. Height of high tunnel should be \_\_\_\_\_.
- a. 16 ft
  - b. **12 ft**
  - c. 6 ft
  - d. 8 ft
702. \_\_\_\_\_ growing system of vegetables does not require substrate.
- a. **Aeroponics**
  - b. Hydroponics
  - c. Soilless
  - d. All of these
703. Vegetables originated in \_\_\_\_\_ areas are termed as hardy because these can tolerate frost.
- a. Tropical
  - b. Sub-tropical
  - c. **Temperate**
  - d. Dry
704. Riceyness, bracting, buttoning and blindness are the disorders of \_\_\_\_\_.
- a. **Cauliflower**
  - b. Cabbage
  - c. Onion
  - d. Brinjal
705. Which of the following practice is used for blanching of vegetables?
- a. Hoeing
  - b. Staking
  - c. Training
  - d. **Earthing up**
706. \_\_\_\_\_ is compulsory to obtain marketable size fruit in indeterminate tomato varieties grown in tunnels.
- a. Pruning of inflorescence
  - b. **Pinching of side shoots**
  - c. Pinching of terminal shoot
  - d. Pruning of leaves
707. \_\_\_\_\_ avoids fruit decay and spread of diseases keeping plant away from soil in crops grown in high tunnel.
- a. **Training**
  - b. Pruning
  - c. Thinning
  - d. Pinching
708. \_\_\_\_\_ is a special technique to restrict vertical growth and encourage branching in vegetables?
- a. **Pinching**
  - b. Staking
  - c. Training
  - d. Thinning
709. \_\_\_\_\_ are harvested at immature fruit stage before hardening of fruit rind.
- a. Melons
  - b. Winter Squashes
  - c. Pumpkins
  - d. **Summer squashes**
710. Full slip and half-slip are the harvesting indices of \_\_\_\_\_ crop.
- a. Watermelon
  - b. **Melon**
  - c. Tomato
  - d. Potato
711. \_\_\_\_\_ increases fruit rind thickness and resistance to cracking in watermelon.
- a. Nitrogen
  - b. Phosphorus
  - c. **Potassium**
  - d. Boron

712. \_\_\_\_\_ causes browning and blockage of vascular tissue, ultimately drying of whole plant.
- Bacterial wilt
  - Fusarium wilt**
  - Southern blight
  - Scab
713. \_\_\_\_\_ are present at each node in cucumber and most of the other cucurbits.
- Male flowers
  - Female flowers
  - Tendrils**
  - Hairs (trichomes)
714. Tomato grown in tunnel does not require pollinators but requires \_\_\_\_\_ for pollination.
- Pinching
  - Staking
  - Training
  - Plant movement**
715. Damping off in solanaceous crops can be avoided in moist clayey soil by growing nursery on \_\_\_\_\_ for transplanting bare rooted seedlings and is most practised by farmers in Pakistan.
- Flat beds
  - Raised beds**
  - Plug seedlings
  - Earthing up
716. High plant population is desirable in \_\_\_\_\_ tomato because individual fruit size does not matter compared to overall yield.
- Determinate
  - Indeterminate
  - Processing**
  - Fresh
717. Fruit setting in tomato is reduced due to \_\_\_\_\_.
- Temperature above 32 °C
  - Hot dry winds
  - Temperature below 15 °C
  - All of these**
718. Tomato farmer reports that fruit are not developing red colour in his field, although he has stopped/greatly reduced nitrogenous fertilizer usage, what can be the reason?
- Temperature above 40 °C**
  - Short days
  - Long days
  - Dry wind
719. Tomato fruit should be harvested at \_\_\_\_\_ or \_\_\_\_\_ stage for extended postharvest life if one has to sell in distant markets.
- Red, Pink
  - Breaker, Red (c)
  - Breaker, Pink
  - Mature green, Breaker**
720. Closer planting of peppers reduces fruit size but can benefit in most of the districts of Punjab and Sindh because it avoids \_\_\_\_\_.
- Frost injury
  - Sunburn**
  - Red colouration
  - Anthracoise
721. Skyline, P-6, Sky red are the varieties of \_\_\_\_\_.
- Brinjal
  - Pepper**
  - Tomato
  - Peas
722. Pungent and small fruited peppers set more fruit and show more tolerance to \_\_\_\_\_ temperature than bell peppers.
- High diurnal
  - High nocturnal**
  - Low diurnal
  - Low nocturnal
723. \_\_\_\_\_ pepper fruit can resist shrinkage because cuticle is fully developed in the fruit.
- Ripe
  - Immature
  - Mature**
  - Colour breaking
724. In \_\_\_\_\_ disease, pepper plants gradually die from top to bottom but still have red ripe fruit and dried leaves.
- Fusarium wilt**
  - Anthracoise
  - Damping off
  - Collar rot

725. Beans belong to the family \_\_\_\_\_.
- Apiaceae
  - Amaranthaceae
  - Malvaceae
  - Fabaceae**
726. Corm is used as planting (seed) material used for \_\_\_\_\_.
- Arum**
  - Potato
  - Sweet potato
  - Onion
727. Which of the following vegetables has perennial herbaceous plants in tropics?
- Peas
  - Bitter gourd
  - Cauliflower
  - Arum**
728. \_\_\_\_\_ has relatively more tolerance to high temperature than other solanaceous vegetables, particularly varieties having elongated fruit.
- Brinjal**
  - Tomato
  - Pepper
  - Potato
729. \_\_\_\_\_ requires adequate irrigation although it is the most drought tolerant among Solanaceous species.
- Brinjal**
  - Tomato
  - Pepper
  - Potato
730. Edible portion of Ipomea batatus is \_\_\_\_\_.
- Stem tuber
  - Primary tuberous root
  - Secondary tuberous root**
  - Swollen stem
731. Arum (Arvi) can be best grown on \_\_\_\_\_ soils with \_\_\_\_\_ subsoil.
- Sandy loam, loam
  - Sandy loam, clay**
  - Clay, sandy loam
  - Clay, silt
732. Yellow vein mosaic virus is the common disease of \_\_\_\_\_.
- Okra**
  - Bell pepper
  - Onion
  - Cabbage
733. \_\_\_\_\_ encourage branching in vegetables and restrict vertical growth.
- Pruning
  - Pinching**
  - Thinning
  - Training
734. \_\_\_\_\_ increases percentage of pistillate flowers in cucumbers.
- Ethephon**
  - Cytokinin
  - Gibberellins
  - Polyamines
735. Nubbing disorder of cucumber is due to \_\_\_\_\_ during fruiting.
- Drought**
  - High temperature
  - Low temperature
  - Rain
736. Fertilization of melons and watermelon with ammoniacal N should be \_\_\_\_\_ at flowering to encourage fruit setting.
- Low**
  - Moderate
  - High
  - Very high
737. Poor fruit setting, vine collapse near melon crop maturity and low sugar content are due to weak root systems commonly associated with \_\_\_\_\_.
- Drought
  - High temperature
  - Excessive irrigation**
  - Low relative humidity
738. \_\_\_\_\_ is not a reliable indicator of watermelon fruit maturity.
- Rind colour of ground facing side
  - Drying of tendril on node bearing fruit
  - Development of wax on fruit rind
  - Tapping of fruit**

739. Augusta is the popular variety of \_\_\_\_\_.
- Cucumber
  - Watermelon**
  - Melon
  - Bitter gourd
740. T-29, Maha Rani, Proline are the varieties of \_\_\_\_\_.
- Turnip
  - Radish
  - Carrot**
  - Beet root
741. Purple top white globe and Golden ball are the common varieties of \_\_\_\_\_.
- Turnip**
  - Radish
  - Carrot
  - Beet root
742. \_\_\_\_\_ become unavailable to plants above 7.0 pH.
- Nitrogen
  - Phosphorus
  - Manganese**
  - Potassium
743. \_\_\_\_\_ is the character of modern tomato cultivars which never develop abscission layer.
- Round fruit
  - Multiple lobes
  - Green shoulder
  - Jointless
744. Firm and thick-walled tomato fruit, of small to medium size, with few locules are suitable for \_\_\_\_\_ purpose.
- Fresh consumption
  - Paste and sauces preparation**
  - Juice preparation
  - All of these
745. Bulk seed production of hybrid varieties on Commercial basis can be achieved in muskmelon, squash and pumpkin by \_\_\_\_\_.
- Hand pollination
  - Use of male sterile lines**
  - Self-incompatibility
  - All of these
746. Most of the damage to seed during harvesting and post-harvest operations is caused by \_\_\_\_\_ that decreases viability.
- Mechanical process**
  - Diseases
  - Insects
  - All of these
747. \_\_\_\_\_ seeds are generally alive but do not absorb water because of impermeability of the seed coat.
- Viable
  - Aged
  - Dead
  - Hard**
748. Incidence of \_\_\_\_\_ from ripe mature seed crop increases during dry weather but can be avoided by harvesting the seed crop early in the morning when there is dew which make seed crop less brittle.
- Lodging
  - Diseases
  - Shattering**
  - Bird feeding
749. Bitter gourd maturity for seed production is indicated by \_\_\_\_\_.
- Fruit becomes hard
  - Fruit becomes red**
  - Seed become black
  - All of these
750. \_\_\_\_\_ is a special seed treatment for breaking seed dormancy in seeds of temperate areas.
- Priming
  - Soaking
  - Infusion
  - Stratification**
751. Seed viability of dormant seeds can be checked by \_\_\_\_\_ test.
- Vigour
  - Tetrazolium**
  - Ageing
  - Germination
752. Deficiency of \_\_\_\_\_ badly affect seed quality because it is a co-factor of many enzymes.
- Nitrogen
  - Magnesium
  - Copper

- d. **Zinc**
753. Basic rule for seed harvesting is to allow the seed to mature as long as possible on the plants without seed or fruit becoming \_\_\_\_\_.
- Diseased
  - Over-ripe
  - Shattered
  - All of these**
754. Seeds of crops enclosed in fruit are washed after \_\_\_\_\_ that decomposes flesh and other material surrounding the seed.
- Extraction
  - Pulping
  - Fermentation**
  - Decomposition
755. Seed longevity increases with \_\_\_\_\_ decrease in seed moisture contents in the moisture content range of \_\_\_\_\_.
- 5%, 5-10%
  - 5%, 5-13%
  - 1%, 5-10%
  - 1%, 5-13%**
756. Seeds of crops with \_\_\_\_\_ high contents will have high seed moisture contents upon exposure to humid environment compared with \_\_\_\_\_ crops.
- Oil, protein
  - Carbohydrate, protein
  - Carbohydrate, oil**
  - Protein, carbohydrate
757. \_\_\_\_\_ are the best storage material because these avoid exchange of gasses and insect attack.
- Rubber gasketed lid metal containers**
  - Cloth bags
  - Gunny bags
  - Polythene zipper bags
758. \_\_\_\_\_ has small share in inputs but all other inputs are dependent on it for high crop production.
- Land preparation
  - Fertilizers
  - Seed**
  - Irrigation
759. Which of the following vegetables has shortest storage life under normal conditions?
- Brinjal
  - Okra
  - Peas
  - Onion**
760. Seed shows decline in \_\_\_\_\_ before \_\_\_\_\_ during storage.
- Vitality, viability
  - Food reserve loss, vigour
  - Vigour, viability**
  - Vigour, Food reserve loss
761. \_\_\_\_\_ is the treatment to break dormancy related to hard seed coat.
- Priming
  - Scarification**
  - Fermentation
  - Stratification
762. Seed longevity is doubled with \_\_\_\_\_ decrease in temperature of storage environment in the temperature range of \_\_\_\_\_.
- 1%, 5-50 C
  - 5%, 5-50 °C
  - 5 C, 5-50 °C**
  - 10 C, 5-50 °C
763. For safe storage of seed, sum of temperature and relative humidity should not increase \_\_\_\_\_.
- 70
  - 80
  - 90
  - 100**
764. Natural crossing can be an important source of \_\_\_\_\_ in sexually propagated crops.
- Hybrid development
  - Genetic variability**
  - Varietal development
  - Homozygosity
765. Wind pollination is the common feature of \_\_\_\_\_.
- Radish
  - Spinach**
  - Carrot
  - Peas

766. High quality seed of biennial vegetables with underground storage organs can be produced by \_\_\_\_\_ method because it permits rouging.
- In situ
  - Direct
  - Replanting**
  - All of these
767. \_\_\_\_\_ prevent abscission of fruit/carpel but can also induce parthenocarpy.
- Auxins**
  - Gibberellins
  - Cytokinin
  - Ethylene
768. Chilli, okra and egg plant belong to \_\_\_\_\_ group of plants based on nature of pollination.
- Self-pollinated
  - Cross-pollinated
  - Often pollinated**
  - All of these
769. High seed quality, slightly low seed yield and delayed seed maturity are characteristic features of \_\_\_\_\_ method of seed production.
- In situ
  - Direct
  - Replanting**
  - All of these
770. Biennial vegetables require \_\_\_\_\_ to shift from vegetative phase to reproductive phase.
- High temperature
  - Chilling temperature**
  - Humid condition
  - Dry condition
771. \_\_\_\_\_ plants have male and female flowers on same plant but usually at different nodes.
- Dioecious
  - Hermaphrodite
  - Monoecious**
  - Herkogamous
772. Emasculation is not required in \_\_\_\_\_ but bagging is mandatory to avoid pollen contamination during hybrid seed production.
- Cucurbits**
  - Zinnia
  - Marigold
  - Carrot
773. Flowers having inferior ovary is characterized by arrangement of floral parts in order \_\_\_\_\_?
- Receptacle-Sepals-Ovary-Petals
  - Receptacle-Sepals-Petals-Ovary
  - Receptacle-Ovary-Sepals-Petals**
  - Petals-Receptacle-Ovary-Sepals
774. \_\_\_\_\_ is necessary to produce true-to-type seed if any other variety of the same crop has not been grown within 1000 meter.
- Rouging**
  - Isolation
  - Thinning
  - All of these
775. Term steckling is used for \_\_\_\_\_ in seed production of root crops.
- Whole root without leaves
  - Half root without leaves
  - Whole root with intact leaves
  - Root from which lower half part has been removed, with intact growing meristem**
776. \_\_\_\_\_ is a clear indication of seed maturity in annual flower seed crops bearing seeds in heads such as zinnia.
- Drying of petals
  - Fall of petals
  - Change in colour of seeds on margin of head
  - Drying of pedicels bearing the heads**
777. Pithiness is a disorder of radish but can also occur in \_\_\_\_\_ roots.
- Over mature**
  - Primary
  - Tap
  - Secondary
778. Root splitting in root crops can occur due to fast root growth caused by \_\_\_\_\_.
- Excessive watering
  - High N
  - Warm temperature
  - All of these**
779. \_\_\_\_\_ causes roots of radish to become pithy, pungent and of poor quality.
- Excessive watering
  - High N

- c. High temperature  
d. All of these
780. Cultivated potato is a \_\_\_\_\_ specie.  
a. Diploid  
b. Triploid  
c. Tetraploid  
d. Hexaploid
781. \_\_\_\_\_ crop of potato contributes 65% of the total potato production in Pakistan.  
a. Autumn  
b. Spring  
c. Hill  
d. Summer
782. \_\_\_\_\_ is the leading province in potato production.  
a. Punjab  
b. Sindh  
c. Baluchistan  
d. Khyber Pakhtunkhwa
783. Tuber initiation is favoured by temperature \_\_\_\_\_.  
a. 10-12 °C  
b. 10-15 °C  
c. 15-18 °C  
d. 20-25 °C
784. Seed rate of \_\_\_\_\_ crop of potato can be halved if tubers are divided in to 2-3 pieces.  
a. Autumn  
b. Hill  
c. Spring and summer  
d. Summer
785. Knobbiness in potato occur due to \_\_\_\_\_.  
a. Drought  
b. Excessive irrigation  
c. Low fertilizers  
d. Irrigation after drought
786. Hollow heart in potato is due to excessively rapid growth caused by \_\_\_\_\_ but depletion of nutrients in the root zone.  
a. Drought  
b. Excessive irrigation  
c. Low relative humidity  
d. High relative humidity
787. \_\_\_\_\_ are pre-emergence herbicides used in most of the vegetable crops.  
a. Stomp & Dual gold  
b. Hadaf  
c. Round up  
d. Paraquat
788. Rhizobium can be used in \_\_\_\_\_ crop that helps in atmospheric N fixation.  
a. Peas  
b. Onion  
c. Coriander  
d. Brinjal
789. High population reduces \_\_\_\_\_ in peas by providing mutual support.  
a. Erect growth  
b. Lodging  
c. Pod development  
d. Plant height
790. \_\_\_\_\_ should not be grown in high tunnel from economic point of view.  
a. Summer Squash  
b. Indeterminate tomato  
c. Cucumber  
d. Bitter gourd
791. Nutrient film technique, rockwool culture, and lay-flat bag systems are used in \_\_\_\_\_.  
a. Aeroponics  
b. Hydroponics  
c. Aquaponics  
d. All of these
792. \_\_\_\_\_ is factorial in factorial experiments.  
a. Design  
b. Parameters  
c. Treatment combination  
d. All of these
793. If the P value for interaction between main plot and sub-plot is 0.04, then comparison will be made among \_\_\_\_\_  
a. Main plot levels within a subplot  
b. Subplot levels for different main plot levels  
c. Subplot levels within a main plot level

- d. All of these
794. Method of allocation of independent variables in a random way to units or objects or a system to assess any change is dependent upon \_\_\_\_\_.
- Replication
  - Experimental design**
  - Randomization
  - Treatments
795. \_\_\_\_\_ can be reduced by increasing number of observations.
- Random error
  - Experimental error
  - Biasness
  - Sampling error**
796. \_\_\_\_\_ can be done by lottery or random number table.
- Replication
  - Experimental design
  - Randomization**
  - Treatments
797. Error beyond the control of researcher in experiments are broadly termed as \_\_\_\_\_.
- Genetic error
  - Experimental error**
  - Environmental error
  - Sampling error
798. Objective of \_\_\_\_\_ is to ensure consistency in results so that if that experiment is performed by another researcher under same conditions, then he can get similar results.
- Replication**
  - Variation
  - Randomization
  - Treatments
799. Solution concentration will be \_\_\_\_\_ if 01 mg of NaCl is dissolved in 01 litre of water.
- 1%
  - 1 molar
  - 1 normal
  - 1 ppm**
800. Solution concentration will be \_\_\_\_\_ if 01 g of NaCl is dissolved in 100 milli litre of water.
- 1%**
  - 1 molar
  - 1 normal
  - 1 ppm
801. \_\_\_\_\_ design is used if all experimental units are homogenous.
- Completely randomized design**
  - Randomized complete block design
  - Latin square design
  - Split plot design
802. \_\_\_\_\_ design is used if all experimental units have variation in one direction.
- Completely randomized design
  - Randomized complete block design**
  - Latin square design
  - Split plot design
803. \_\_\_\_\_ design is used if all experimental units have variation in two different directions.
- Completely randomized design
  - Randomized complete block design
  - Latin square design**
  - Split plot design
804. Experimental treatments should be applied to fruit trees \_\_\_\_\_.
- On lower branches
  - On sun facing (south) side
  - On northern side
  - On all four sides**
805. Blocks should be arranged in a field experiment \_\_\_\_\_ to the source of variation.
- Parallel
  - Perpendicular**
  - Inline
  - Diagonal
806. Data is collected from plants in experiments which are called \_\_\_\_\_?
- Sample
  - Population**
  - Subset of sample
  - Treatments
807. Which of the following is not a Test of Significance to compare treatments means?
- Bonferroni
  - LSD
  - Tukey
  - Pairwise**



808. Test of significance to compare treatments means is applied only if \_\_\_\_\_.
- Probability value is less than the set value
  - Probability value is higher than the set value
  - Probability value is at par
  - Probability value is different
809. Significance of data is indicated initially by \_\_\_\_\_.
- Sampling error
  - Analysis of variance
  - Test of significance
  - Random error
810. Outlier is \_\_\_\_\_.
- Reading taken from a correct sample
  - Reading taken from a sample in any direction
  - Reading taken from a wrong sample
  - All of these
811. Generally, number of blocks should \_\_\_\_\_.
- Not be less than three
  - Not be less than five
  - Not be less than two
  - Not be less than four
812. Researcher can include a new experiment in an experiment (study) that is already in progress using \_\_\_\_\_ design.
- Completely randomized design
  - Randomized complete block design
  - Latin square design
  - Split plot design
813. Design selection, for an experiment having same treatment combinations (factors and their levels), from split-plot design and factorial experiment is based on \_\_\_\_\_.
- Importance of one factor over the other
  - Size of plots
  - Variation among plots
  - All of these
814. Grafting is commonly practiced in plants of \_\_\_\_\_ family.
- Cucurbitaceae & Solanaceae
  - Cucurbitaceae & Cruciferae
  - Cucurbitaceae & Malvaceae
  - Solanaceae & Leguminosae
815. \_\_\_\_\_ is the most sensitive one to abiotic stresses among the following crops.
- Tomato
  - Brinjal
  - Pepper
  - Bottle gourd
816. \_\_\_\_\_ has longest shelf life among the following crops.
- Bitter gourd
  - Luffa (Ghiya tori)
  - Ash gourd
  - Summer squash
817. \_\_\_\_\_ is becoming a big problem in several summer vegetables because maggots feed on edible portion and make vegetable unmarketable.
- Red pumpkin beetle
  - White fly
  - Army worm
  - Fruit fly
818. \_\_\_\_\_ are sensitive to herbicides, acidic conditions and salinity of soil and water.
- Pumpkins & squashes
  - Okra
  - Tomato
  - Brinjal
819. Placing/heaping up soil around base of plant is termed as \_\_\_\_\_.
- Hoeing
  - Weeding
  - Earthing up
  - Pinching
820. \_\_\_\_\_ is necessary in direct seeded root crops to get marketable crop if seed rate has been kept high.
- Hoeing
  - Weeding
  - Earthing up
  - Thinning
821. Ratio of female:male flower ratio increases with \_\_\_\_\_.
- Age of plant
  - Increase dose of nitrogen fertilizer
  - Increase in daylength
  - All of these

822. Coriander is a \_\_\_\_\_ season crop that is sensitive to frost.
- Winter
  - Summer
  - Temperate
  - Hot
823. Lettuce, coriander, spinach and fenugreek are leafy vegetables, herbaceous in nature, also known as \_\_\_\_\_.
- Herbs
  - Potherbs
  - Shrubs
  - Perennials
824. Lettuce, coriander, spinach and fenugreek respond more to \_\_\_\_\_ fertilizers compared to other nutrients.
- Potassium
  - Phosphatic
  - Nitrogenous
  - All of these
825. Iceberg is the popular variety of \_\_\_\_\_.
- Lettuce
  - Mint
  - Coriander
  - Spinach
826. \_\_\_\_\_ variety of radish can be cultivated during late summer months (July-start of September).
- Mino early
  - Forty days
  - Shao-mei
  - All of these
827. Potatoes should not be placed in direct sunlight immediately after harvest to avoid \_\_\_\_\_.
- Cracking
  - Rotting
  - Greening
  - Shrivelling
828. \_\_\_\_\_ is a shallow rooted crop and need heavy fertilization, although uptake only up to 37% of the applied nitrogen.
- Tomato
  - Okra
  - Pumpkin
  - Onion
829. PLRV, PVX, PVY and PVS are viruses of \_\_\_\_\_.
- Tomato
  - Okra
  - Potato
  - Onion
830. Short term exposure of tomato and pepper fruit to high light intensity when temperature is around 50 C leads to \_\_\_\_\_.
- Soft nose
  - Sunburn
  - Soft rot
  - All of these
831. Cabbage, turnip and carrot are examples of \_\_\_\_\_ vegetables on the basis of day length requirement for flowering.
- Short day
  - Long day
  - Day neutral
  - Day insensitive
832. Tomato, cucumber, beans, and peppers are examples of \_\_\_\_\_ vegetables on the basis of day length requirement for flowering.
- Short day
  - Long day
  - Day neutral
  - All of these
833. Soil \_\_\_\_\_ increases at low temperature due to increase in dissolution of CO<sub>2</sub> and O<sub>2</sub>, which reduces water absorption.
- Salinity
  - Acidity
  - Alkalinity
  - Sodicity
834. High night \_\_\_\_\_ has more drastic effect on yield of vegetables compared to high value of same environmental factor during the daytime.
- Temperature
  - Humidity
  - Wind
  - All of these

835. Cloudy weather with high \_\_\_\_\_ reduces yield of vegetable crops.
- Night temperature
  - Night humidity
  - Day temperature**
  - Day humidity
836. Cauliflower cultivars have been categorized into groups based on their \_\_\_\_\_ requirement for curd formation.
- Temperature**
  - Humidity
  - Light
  - Soil moisture
837. \_\_\_\_\_ is more prevalent in dry conditions.
- Powdery mildew**
  - Anthracnose
  - Downy mildew
  - All of these
838. \_\_\_\_\_ conditions favour good quality seed production of vegetable crops.
- Temperature
  - Low atmospheric humidity**
  - High light
  - Low soil moisture
839. Relative humidity in the range of \_\_\_\_\_ is suitable for most of the vegetable crops.
- 0-20%
  - 20-40%
  - 40-60%**
  - 60-80%
840. Avoid ploughing when it is excessively \_\_\_\_\_.
- Wet**
  - Hot
  - Dry
  - All of these
841. Ammonium nitrate, ammonium sulphate and urea have \_\_\_\_\_ reaction in soil.
- Alkaline
  - Acidic**
  - Sodic
  - Saline
842. \_\_\_\_\_ & \_\_\_\_\_ are less mobile in soil and therefore should be placed in active root zone of vegetables.
- Potassium & nitrogen
  - Phosphorus & nitrogen
  - Phosphorus & potassium**
  - Nitrogen & potassium
843. \_\_\_\_\_ farming is the need of the time when urban population is rapidly increasing.
- Organic
  - Vertical**
  - Conventional
  - All of these
844. Which of the following is not a variety of sweet orange?
- Succari
  - Washington Navel
  - Red Blush**
  - All the above
845. Climacteric fruits are characterized by
- High rates of water loss near physiological maturity
  - High rates of respiration and water loss near physiological maturity.
  - High rates of ethylene production and water loss near physiological maturity.
  - High rates of respiration and ethylene production near physiological maturity.**
846. The most common substrate for respiration is
- Fructose
  - Glucose**
  - Sucrose
  - Ribose
847. The term 'Propagule' is usually used for
- Seed
  - Stem
  - Any plant part used for propagation**
  - None of the above
848. Peach seed requires stratification of
- 50 days
  - 70 days
  - 90 days**
  - None of the above

849. The edible portion of Almond is
- Exocarp
  - Mesocarp
  - Endocarp**
  - All the above
850. Pineapple is
- Multiple fruit**
  - Aggregate Fruit
  - Stone Fruit
  - Pome Fruit
851. The flower of olive can be best described as
- Pistillate
  - Staminate
  - Hermaphrodite**
  - Perfect and staminate
852. Parthenocarpic fruits are commonly found in
- Apple
  - Mango
  - Banana**
  - Pear
853. Double haploidy is used to get \_\_\_\_\_ in shortest time
- 50% Homozygosity
  - 50% Heterozygosity
  - 100% Homozygosity**
  - 100% Heterozygosity
854. The process of acclimatizing a plant to the outdoor environment before transplanting it to the garden is called
- Stratification
  - Acclimatization
  - Hardening off
  - Both b and c**
855. The practice of ringing in fruit crops is aimed for
- breaking dormancy
  - fruit development
  - sprouting of buds**
  - initiation of roots
856. Guava is more resistant to chilling injury in cold storage than
- Apple
  - Banana**
  - Peach
  - All the above
857. When stigma and anthers of the same flower mature at different times, it is called as
- Homogamy
  - Heterogamy
  - Dichogamy**
  - Heterosis
858. The edible portion of apple is
- Mesocarp
  - Endocarp
  - Epicarp
  - Thalamus**
859. Multiple fruit like fig is derived from
- Single flower with single pistil
  - Single flower with many closely clustered pistils
  - Separate but many closely clustered flowers**
  - Many but not closely clustered flowers
860. Ebenaceae is the family name of \_\_\_\_\_
- Avocado
  - Olive
  - Persimmon**
  - Jaman
861. Soft nose is a disorder of
- Date fruit
  - Citrus fruit
  - Mango fruit**
  - Apple fruit
862. Which of the following is a recalcitrant seed
- Mango**
  - Rice
  - Wheat
  - Quinoa
863. Colchicine is an important chemical mutagen which prevents the formation of
- Gametes
  - Spindle fibres**

- c. Crossing over
  - d. Nucleolus
864. The fruits which do not usually open to shed seed are known as
- a. Dehiscent fruit
  - b. **Indehiscent fruit**
  - c. Fleshy fruit
  - d. Dry fruit
865. Direct effect of pollen grains on the female tissues of the ovary is called \_\_\_\_\_?
- a. Pollination
  - b. Xenia
  - c. **Metaxenia**
  - d. None of the above
866. Cultivation of grapes is called \_\_\_\_\_?
- a. Orcharding
  - b. Citriculture
  - c. **Viticulture**
  - d. Pomology
867. How many training systems are there for tree fruit crops?
- a. Four
  - b. **Three**
  - c. Two
868. Parthenogenesis is most seen in \_\_\_\_\_?
- a. Apple
  - b. Orange
  - c. **Grapes**
  - d. Mango
869. In date palm male spathes enclose how many flowers \_\_\_\_\_?
- a. 30000
  - b. 9000
  - c. 20000
  - d. **10000**
870. Degreening of citrus fruit is achieved using \_\_\_\_\_?
- a. **Ethrel**
  - b. Ethephon
  - c. Ethylene
  - d. Cytokinin
871. In ripened banana the aroma is due to presence of \_\_\_\_\_?
- a. Ethyl
  - b. **Eugenol**
  - c. Isopentanol
  - d. Valencene
872. The year in which mango tree does not produce or produce very small number of fruits is called \_\_\_\_\_?
- a. On year
  - b. **Off year**
  - c. Both a & b
  - d. None of the above
873. Mango stock for grafting is raised from \_\_\_\_\_?
- a. Cutting
  - b. Budding
  - c. **Stones**
  - d. All the above
874. The removal of fruits at initial stages is called as \_\_\_\_\_
- a. Pinching
  - b. Pruning
  - c. **Thinning**
  - d. None
875. Severe pruning is recommended in \_\_\_\_\_
- a. Guava
  - b. Citrus
  - c. **Phalsa**
  - d. Fig
876. Haita is the seeded variety of \_\_\_\_\_
- a. Persimmon
  - b. Date palm
  - c. Fig
  - d. **Grapes**
877. Cordon system of training is practiced in \_\_\_\_\_
- a. **Grapes**
  - b. Persimmon
  - c. Date palm
  - d. Fig

878. Unfruitfulness is the physiological disorder in \_\_\_\_\_.
- Guava
  - Apple
  - Citrus**
  - Phalsa
879. Alternate bearing in Mango is due to improper \_\_\_\_\_ ratio.
- C:N**
  - Ca:Mg
  - Ca:N
  - None
880. Example of adventitious embryony is
- Mango**
  - Phalsa
  - Loquat
  - None
881. In triangular system, \_\_\_\_\_ more plants can be accommodated, as compared to rectangular system.
- 40-50 %
  - 50-60 %**
  - 60-70 %
  - 80-90 %
882. Golden Yellow is an important variety of
- Pear
  - Peach
  - Apricot
  - Loquat**
883. No systematic pruning is needed in
- Citrus
  - Banana
  - Date palm**
  - All of these
884. Which of the following is not a method for sterilizing plant growing medium?
- Steaming
  - Baking
  - Using chemical fumigants
  - Keeping the growing medium moist for 6 to 7 days**
885. A technique to produce well branched, compact plants with many flowers is
- Stunting
  - Compacting
  - Pinching**
  - Potting
886. Which one of these is used for waterproofing while establishing roof garden?
- PVP sheets (Polyvinylpyrrolidone),
  - Roofing asphalt,
  - Silicon APP
  - All of these**
887. This layer is used to separate drainage layer and plants growing in soil.
- Root Barrier
  - Insulation layer
  - Drainage layer
  - Geotextile fabric**
888. What are the microclimate characteristics of roof garden?
- Direct Sun
  - High Wind Velocity
  - Heavy Intermittent Rains in Monsoons
  - All of these**
889. Which of these plants is suitable for roof gardening?
- Dracaena
  - Cycas Palm
  - Fox Tail Palm**
  - Italian Palm
890. Which of these plants is not suitable for roof gardening?
- Tecoma
  - Bougainvillea
  - Fox Tail Palm
  - Italian Palm**
891. The objective of pruning in ornamentals is \_\_\_\_\_.
- To renovate old plants which have very poor quality of flowers and weak foliage.
  - To maintain a desired size or form of the plants
  - To maintain the high quality of flowers and fruits.
  - All of these**
892. Which one of these required severe pruning for the new of foliage?
- Punica granatum*
  - Terminalia arjuna*

- c. *Prunus persica*
  - d. *Hetrophragma*
893. Which one of these plants required light pruning?
- a. *Rosa hybrida*
  - b. *Buddlea hybrida*
  - c. *Lagerstroemia indica*
  - d. *Lagerstroemia purpurea*
894. The best fertilizer application period to the landscape plants is
- a. Summer
  - b. Late Spring
  - c. **Early Spring**
  - d. Autumn
895. In ornamental landscape plants mostly the \_\_\_\_\_ diseases are prevalent.
- a. Viral
  - b. Bacterial
  - c. **Fungal**
  - d. Nematode
896. In ornamental plants, very few species are attacked by \_\_\_\_\_ diseases.
- a. **Viral**
  - b. Bacterial
  - c. Fungal
  - d. Nematode
897. Mechanization in landscape results in
- a. Increase productivity
  - b. Reduce Manpower
  - c. Better Quality of Workmanship
  - d. **All of these**
898. The challenges faced by mechanization
- a. Affordability
  - b. Availability
  - c. Maintenance and repair services
  - d. **All of these**
899. Using ride on lawn mower, 1 acre of lawn can be mowed in \_\_\_\_\_ time.
- a. **1-2 hours**
  - b. 2-3 hours
  - c. 3-4 hours
  - d. 4-5 hours
900. Using manual lawn mower, 1 acre of lawn can be mowed in \_\_\_\_\_ time.
- a. 1-2 hours
  - b. 3-6 hours
  - c. 5-6 hours
  - d. **7-8 hours**
901. Chainsaw is used for
- a. Grass mowing
  - b. Bush trimming
  - c. **Tree branches cutting**
  - d. Topiary shaping
902. Which of these characteristics is true for Conocarpus?
- a. Damage to infrastructure
  - b. Ecological imbalance
  - c. Monocropping
  - d. **All of these**
903. Which one of these is not contained water features?
- a. Pond
  - b. Aquarium
  - c. **Waterfall**
  - d. Swimming pools in landscape
908. Which one of these is moving water features?
- a. Pond
  - b. **Fountain**
  - c. Aquarium
  - d. Swimming pool
909. Which one of these is Submerged aquatic plant?
- a. Cattails
  - b. **Water lily**
  - c. Iris
  - d. Pickerelweed
910. Which of these is not urban factor as “above ground site characteristics” as site evaluation?
- a. Overhead wires
  - b. Street and security lights
  - c. **Slope**
  - d. Signs

911. Which of these is not environmental factor as “above ground site characteristics” as site evaluation?
- Vandalism
  - Light exposure
  - Slope exposure
  - Wind
912. While urban planting it is more desirable to plant \_\_\_\_\_ trees near low signs.
- Tall
  - Small
  - Deciduous
  - None of these
913. While urban planting it is more desirable to plant \_\_\_\_\_ trees near tall signs.
- Tall
  - Small
  - Deciduous
  - None of these
914. Small trees and trees with a narrow canopy can be planted within \_\_\_\_\_ of a building.
- 4 feet
  - 6 feet
  - 8 feet
  - 10 feet
915. Which one of these is true for sandy soil?
- Poor drainage
  - Wet-tolerant species
  - Drains quickly and leaches nutrients
  - All of these
916. Which one of these is not true for sandy soil?
- Poor drainage
  - Drought tolerant species
  - Drains quickly and leaches nutrients
  - Native species adapted to low nutrient levels
917. Which one of these characteristics is often preferred when choosing trees for the garden at home?
- Growth Rate
  - Canopy Size
  - Ornamental trait
  - Form
918. Which one these is not a desirable tree attribute in urban areas?
- Function
  - Mature size
  - Invasive
  - Form
919. The functional attributes of urban plants
- Shade
  - Erosion control
  - Wildlife support
  - All of these
920. Which of these palms species has triangle stem?
- Ravenala madagascariensis*
  - Dyopsis decaryi*
  - Archontophoenix alexandrae*
  - Ravenea rivularis*
921. *Clitoria ternatea* bears \_\_\_\_\_ color flowers.
- Blue
  - Purple
  - White
  - All of these
922. The botanical name of Alexandera Palm is \_\_\_\_\_.
- Ravenala madagascariensis*
  - Dyopsis decaryi*
  - Archontophoenix alexandrae*
  - Ravenea rivularis*
923. It produces flowers that develop into edible fruit that is said to taste like a fruit salad.
- Clitoria ternatea*
  - Monstera deliciosa*
  - Ravenea rivularis*
  - Dyopsis decaryi*
924. This plant bears trumpet shape flower.
- Zephyranthes citrina*
  - Tabebuia aurea*
  - Clitoria ternatea*
  - Toona ciliate*



925. This plant produces fruit that has high medicinal value.
- Aegle marmelos*
  - Toona ciliata*
  - Plumbago indica*
  - Lantana camara*
926. This plant bears gorgeous, three-to-five-inch flowers that come in shades of lavender or purple, white, pink and red.
- Lantana camara*
  - Passiflora incarnata*
  - Clitoria ternatea*
  - Toona ciliata*
927. This is a spectacular medium size fast growing tree with a fine spreading crown having pink and white flowers.
- Cassia glauca*
  - Cassia fistula*
  - Cassia nodosa*
  - Toona ciliata*
928. This vine/shrub is best known for its long-lasting fragrance.
- Cassia nodosa*
  - Passiflora incarnata*
  - Artabotrys hexapetalus*
  - Brachychiton populneus*
929. This is a medium-sized deciduous tree and known as 'flame of the forest'.
- Brachychiton populneus*
  - Erythrina blakei*
  - Millettia pinnata*
  - Butea monosperma*
930. This plant is excellent for topiary formation in landscape.
- Passiflora
  - Buxus**
  - Morning glory
  - Artabotrys
931. The common name for dieffenbachia is
- Umbrella tree
  - Bougainvillea
  - Snake plant
  - Dumb cane**
932. Use of a pipe covered by a rope for providing support to some indoor plants like Scindapsus, is termed as
- Terrarium
  - Totem**
  - Topiary
  - None of the above
933. Exotic species, often referred to as \_\_\_\_\_.
- Alien,
  - Non-native
  - Introduced species
  - All of these**
934. In which type of lakes, the water is usually very clear?
- Oligotrophic lakes**
  - Mesotrophic Lakes
  - Eutrophic lakes
  - All of these
935. Intentional introductions have also been undertaken with the aim of ameliorating environmental problem like \_\_\_\_\_.
- Drought tolerance
  - Waterlogging tolerance
  - Sand dunes stabilization
  - All of these**
936. Which one of these is an invasive species \_\_\_\_\_?
- Parthenium
  - Paper mulberry
  - Conocarpus
  - All of these**
937. Turfgrass is an essential component of urban landscaped ecosystems mainly employed for \_\_\_\_\_.
- Functional
  - Recreational
  - Aesthetic
  - All of these**
938. Which of these provides habitat for most species?
- Lawn grasses
  - Group exotic plants
  - Group native plant species**
  - Invasive species

939. Freshwater NPP is often limited by P
- N
  - P**
  - K
  - Fe
940. Major sources of nutrient pollution
- sewage discharges
  - chemical fertilizer,
  - livestock waste
  - All of these**
941. Which one of these is not a natural process?
- Energy flow and nutrient cycles
  - Sediment transport and soil formation
  - Human settlements**
  - Succession
942. Which of these acts as a strong control on biogeographic patterns?
- Topography
  - Climate**
  - Plant/animal interactions
  - Herbivory
943. The main concept in landscape ecology is \_\_\_\_\_.
- Scale**
  - Ecotype
  - Patch
  - Pattern
944. Which of the following is a secondary pollutant?
- NO
  - SO<sub>2</sub>
  - CO
  - SO<sub>3</sub>**
945. In urban areas, domestic sector contributes \_\_\_\_\_ percent in urban air pollution.
- 60%
  - 50%
  - 18%
  - 8%**
946. Which of these pollutants is not VoC's?
- Toluene
  - Dioxins**
  - Benzene
  - Xylene
947. Which of these is not a persistent organic pollutant?
- PCBs
  - Furans
  - PAH**
  - Dioxins
948. Which one of these is true for POPs?
- Lipophilic
  - Semi volatile
  - Toxic
  - All of these**
949. The low-productivity ecosystem can accumulate a \_\_\_\_\_ standing crop biomass over a long period of time.
- Low
  - Very Low
  - High**
  - None of these
950. The productivity of terrestrial ecosystems is most influenced by \_\_\_\_\_.
- Temperature
  - Precipitation
  - Temperature and precipitation**
  - Wind
951. In ecosystem patterns of energy allocation change with \_\_\_\_\_.
- Age and size of the individual
  - Species
  - Availability of water and nutrients
  - All of these**
952. Lightness and darkness of any color is referring to
- Coolness
  - Warmness
  - Proportion
  - Value**

953. Early inspiration of placing plants indoors was taken from
- Germans
  - Chinese**
  - Egyptian
  - Atlantica
954. Place from which a focal plant viewed is known as
- Outlier
  - Focal point
  - Vantage point**
  - None of these
955. Tints or hues having a schematic harmonious visual impact are known as
- Intense colors
  - cool colors
  - monochrome**
  - value of color
956. Which one of the following is an example of contrasting colors?
- purple/yellow**
  - orange/red
  - yellow/green
  - blue/grey
957. "People are Part of Nature" is pre-basic form of
- Indoor designs
  - Formal designs
  - Naturalistic designs**
  - All of these
958. An idea of minimizing any additional detail to design composition is called as
- Simplicity**
  - Unity
  - Harmony
  - Balance
959. Soil particles of marshy areas are
- Negatively charged**
  - Positively charged
  - Amphi-ions
  - Neutral
960. Which of the following have minimum porosity?
- Pumice
  - Sand
  - Clay**
  - Vermiculite
961. Head in fire, foot in water is a proverb for
- Olive
  - Coconut
  - Date palm**
  - None
962. Spongy tissue development in mango is due to
- Fungal disease
  - Viral disease
  - Bacterial disease
  - Physiological disorder**
963. Zinc deficiency in sweet orange causes
- Chlorosis in fruit
  - Chlorosis in leaves**
  - Streaks on leaves
  - Sweetness of fruit
964. Guava is grown on a large scale in
- Gujranwala
  - Multan
  - Sheikhupura**
  - Bahawalpur
965. Sweet orange has a \_\_\_\_\_ compared with mandarins.
- Loose skin
  - Tight skin**
  - Normal Skin
  - None of these
966. Different mango varieties can be mainly distinguished based on
- New leaf color**
  - Panicle length
  - Number of male flowers
  - All of above

967. Abscission in fruit occur due to
- Excessive abscisic acid
  - Excessive Glutamic acid
  - Excessive Malic acid
  - Excessive Citric acid
968. Grapefruit have originated from.
- China
  - Barbados
  - Peru
  - Cuba
969. Guava takes \_\_\_\_\_ days from emergence of floral buds to full bloom.
- 10-15
  - 15-20
  - 20-25
  - 25-35
970. Sweet orange requires
- Dry and semi-arid conditions
  - Dry and sub-humid conditions
  - Wet and sub humid conditions
  - None of these
971. Papaya is still being commercially propagated from
- Cutting
  - Suckers
  - Seeds
  - Grafting
972. Lemons are usually degreened at
- 6 °C
  - 16 °C
  - 26 °C
  - 30 °C
973. Most serious insect/pest of apple is
- Codling moth
  - Fruit fly
  - All above
  - None of above
974. Precocity in fruit means \_\_\_\_\_.
- Late bearing
  - Early bearing
  - Early blooming
  - Both b & c
975. Which type of inflorescence is present in Guava?
- Racemose
  - Cymose
  - None
  - All of the above
976. Grapefruit is harvested at which stage of maturity?
- Green stage
  - Colour break stage
  - Yellow stage
  - None of the above
977. Yellow wasp is a major pest of
- Grapefruit
  - Peach
  - Citrus
  - Mango
978. Citrumelo is the cross between \_\_\_\_\_.
- Poncirus x grapefruit
  - Citrus x Fortunella
  - Poncirus x Fortunella
  - Poncirus x sweet orange
979. Brazilian guava is also known as \_\_\_\_\_
- Psidium cattleianum*
  - Psidium araca*
  - Psidium guineense*
  - Psidium guajava*
980. \_\_\_\_\_ is the major characteristic of genus *Psidium*?
- Tuft of pistils
  - Tuft of stamens
  - Complete flower
  - Tuft of ovary

981. Chiku is also known as \_\_\_\_\_
- Sapodilla
  - Sapota
  - Zapota
  - All of these**
982. American grapes are also known as:
- Vitis labrusca***
  - Vitis rotundifolia*
  - Vitis vinifera*
  - None of the above
983. One year old shoot of grapes is known as:
- Vines
  - Spurs
  - Twigs
  - Canes**
984. Apple and pear form their flowers buds in \_\_\_\_\_.
- May-June
  - July-August**
  - September-October
  - November-December
985. Internal browning in apples takes place due to
- Fungus
  - Low temperature in storage**
  - Hailstorm
  - Bacteria
986. Mango trees bear which type of flowers?
- Staminate
  - Hermaphrodite
  - Pistilate
  - Both of a & b**
987. Who is the breeder of famous citrus cultivar Kinnow mandarin?
- H.B. Frost**
  - R.K. Soost
  - J.W. Grosser
  - F.G. Gmitter
988. The petals in a flower are collectively called \_\_\_\_\_.
- Calyx
  - Anther
  - Corolla**
  - Perianth
989. Low-cost greenhouse tunnels are suitable for?
- Pumpkins**
  - Tomato
  - Cabbage
  - Cucumber
990. Mulches are mainly used to reduce
- Transpiration
  - Evaporation
  - Evapotranspiration
  - All above**
991. Which one of the following is a fruit \_\_\_\_\_?
- Cauliflower
  - Brinjal**
  - Potato
  - Ginger
992. Ginger and turmeric are propagated by \_\_\_\_\_?
- Rhizome**
  - Tuber
  - Corns
  - All the above
993. Off season summer vegetables can be grown in \_\_\_\_\_ region.
- Lower Sindh**
  - Upper Sindh
  - Southern Punjab
  - Northern Punjab
994. Fruit cracking in tomato fruit is due to
- High nitrogen level
  - Temperature fluctuations
  - Soil moisture fluctuations
  - All of these**
995. Celery and lettuce at high temperature become

- a. Photodormant
  - b. **Thermodormant**
  - c. Ecodormant
  - d. Non dormant
996. What type of mulches effectively reduce soil temperature?
- a. **Organic mulch**
  - b. Gray polythene
  - c. Black polythene
  - d. Transparent polythene
997. Cucumber cultivars recommended under tunnel production system are:
- a. Monoecious
  - b. **Gynoecious**
  - c. Andromonoecious
  - d. Gynomonoecious
998. Ginger is commonly cultivated as:
- a. **Annual**
  - b. Biennial
  - c. Perennial
  - d. None
999. Potato is generally propagated through
- a. Seed potato
  - b. Potato seed
  - c. True Potato Seed
  - d. **All above**
1000. Seed production in biennial vegetables is mostly done by:
- a. Seed to seed method
  - b. In situ method
  - c. Replanting method
  - d. **All above**