

1. \_\_\_\_\_ is the variety of amaranth.
- a. Pusa Safed
  - b. Arka Suguna
  - c. Pusa Kanchan
  - d. Both b and c
2. A double colored variety of amaranth is \_\_\_\_\_.
- a. Pusa Badi Chaulai
  - b. Pusa Chhoti Chaulai
  - c. Arka Samrakshak
  - d. CO 5
3. The amaranth variety characterized by much longer growing period is \_\_\_\_\_.
- a. Pusa Badi Chaulai
  - b. Pusa Chhoti Chaulai
  - c. Arka Arunima
  - d. Pusa Kiran
4. Pusa Lal Chaulai belongs to \_\_\_\_\_ species.
- a. *Amaranthus spinosus*
  - b. *Amaranthus dubius*
  - c. *Amaranthus tricolor*
  - d. *Amaranthus hybridus*
5. The stem to leaf ratio in Pusa Kiran variety of amaranth is \_\_\_\_\_.
- a. 1:2.5
  - b. 2:1
  - c. 1:2
  - d. 1:4.6
6. Pulling type amaranth variety with green leaves and stems is \_\_\_\_\_.
- a. Pusa Kirti
  - b. Pusa Kiran
  - c. Arka Samraksha
  - d. None of these
7. Which of the following is a freezing resistant species of potato?
- a. *Solanum acaule*
  - b. *S. megistacrolobum*
  - c. *S. multidisectum*
  - d. All of these
8. Which of the following variety of radish is available throughout the year?
- a. Pusa Himani
  - b. Pusa Chetki
  - c. Arka Nishant
  - d. All of these
9. Which one of the following soil is best for vegetable cultivation?
- a. Sandy
  - b. Sandy loam
  - c. Clay loam
  - d. Clay
10. Which one of the following vegetable produces maximum seeds per fruit?
- a. Tomato
  - b. Brinjal
  - c. Chilli
  - d. Potato
11. Type of vegetable gardening followed on the of Dal lake of Kashmir valley is \_\_\_\_\_.
- a. Floating garden
  - b. Hydroponics
  - c. Kitchen garden
  - d. None of the above

12. \_\_\_\_\_ gardening is to Produce vegetables for local market.  
a. Market gardening  
b. Truck gardening  
c. Vegetable forcing  
d. Vegetable processing
13. \_\_\_\_\_ gardening is to Produce vegetables for distant market.  
a. Market gardening  
b. Truck gardening  
c. Vegetable forcing  
d. Vegetable processing
14. \_\_\_\_\_ gardening is to Produce vegetables out of their normal season.  
a. Market gardening  
b. Truck gardening  
c. Vegetable forcing  
d. Vegetable processing
15. Which is the vegetable suitable for dehydration?  
a. Onion  
b. Turnip  
c. Carrot  
d. Chillies
16. Which is the vegetable suitable for canning?  
a. Asparagus  
b. Cauliflower  
c. Potato  
d. Cucumber
17. Which is the vegetable suitable for Freezing?  
a. Asparagus  
b. Cauliflower  
c. potato  
d. Cucumber
18. What is the colour of the used for identification of breeder seeds?  
a. Blue  
b. White  
c. Red  
d. Golden yellow
19. Tomato fruit aroma is due to  
a. Sulfonium  
b. Chlorophyll  
c. Carotenoid  
d. Polyphenols
20. The fruits of tomato is  
a. Pome  
b. Pepo  
c. Drupe  
d. Berry
21. Tomato produces \_\_\_\_\_ flowers in cluster on the stem  
a. Proandry  
b. Protogynous  
c. Cleistogamous  
d. Hercogammy
22. Sioux and Marglobe varieties of tomato are introduced from  
a. Asia  
b. USA  
c. Africa  
d. Europe
23. Tomato variety CO-3 was evolved by \_\_\_\_\_  
a. X rays  
b. Gamma rays  
c. EMS  
d. MMS
24. Tomato variety Pusa Lal Meeruti was evolved by  
a. X rays  
b. Gamma rays  
c. EMS  
d. MMS

25. For distant transportation, tomato fruits are picked at \_\_\_\_\_  
a. Immature green stage  
b. Pink stage  
c. **Turning stage**  
d. Red ripe stage
26. For processing tomato the fruits are picked at \_\_\_\_\_  
a. Immature stage  
b. Pink stage  
c. **Hard ripe stage**  
d. Over – ripe stage
27. In tomato, for fruit setting in adverse condition spray  
a. 2,4-D  
b. **PCPA**  
c. Ethrel  
d. Cycoel
28. Lycopene development in tomato is adversely affected when temperature is above:  
a. **30°C**  
b. 25°C  
c. 20°C  
d. 10°C
29. The best soil reaction pH for tomato cultivation is \_\_\_\_\_  
a. Below 5  
b. 8.0 and above  
c. **6.0-7.0**  
d. 7.0-8.0
30. Tomato seed sufficient to raise crop of one hectare area is \_\_\_\_\_  
a. 500-800g  
b. **400-500g**  
c. 200-300g  
d. 800-900g
31. The red colour in tomato is due to pigment  
a. Anthocyanin  
b. Quercetin  
c. **Lycopene**  
d. Xanthophyll
32. The chemical used for hardening of seedlings in the nursery is  
a. **Cycocel**  
b. MH  
c. TIBA  
d. HCl
33. \_\_\_\_\_ is used to induce fruit set.  
a. 2,4-D  
b. IBA  
c. **PCPA**  
d. All of these
34. Long dry spell followed by heavy irrigation causes \_\_\_\_\_ in tomato  
a. Blossom end rot  
b. sunscald  
c. Silvering  
d. **Cracking**
35. The heat tolerant variety of potato is  
a. Kufri Sindhuri  
b. Kufri Badshah  
c. **Kufri Sutlej**  
d. Kufri Surya
36. Most popular salad crop is:  
a. **Lettuce**  
b. Celery  
c. Parsley  
d. None
37. Aster Yellow of Celery is caused by:  
a. Bacteria  
b. Fungus  
c. **Virus**  
d. MLO

38. In Onion male sterile lines have been isolated from:  
a. Arka Kirtiman  
b. Agrifound Dark Red  
c. Pusa Red  
d. None
39. Toxins substance present in Celery is:  
a. Apiin  
b. Oxalic Acid  
c. Saponin  
d. Serotonin
40. Which is originated from India?  
a. Lima Bean  
b. French Bean  
c. Cow Pea  
d. Dolichos Bean
41. Scientific name of Long Melon is:  
a. *Cucumis sativa*  
b. *C. anguria*  
c. *C. melo var. utilissimus*  
d. *C. melo var. momordica*
42. Which crop produce more mass per unit area & time?  
a. Cabbage  
b. Tomato  
c. Carrot  
d. Potato
43. Witches broom is main problem of:  
a. Cucumber  
b. watermelon  
c. Bitter Gourd  
d. None
44. Pithiness of Carrot is due to:  
a. Hard soil pan  
b. Undecomposed Organic Matter  
c. B Deficiency  
d. Ca Deficiency
45. Which one is Shade loving vegetable?  
a. Chekurmanis  
b. Ceylon Spinach  
c. Basella  
d. New Zealand Spinach
46. Propagation in Yam bean is by:  
a. Corm  
b. Tuber  
c. Rhizome  
d. Seed
47. Yams are originated from:  
a. Asia  
b. Africa  
c. South America  
d. Europe
48. Sweet Potato is grown in hills in months of:  
a. Apr-May  
b. June-July  
c. Oct-Nov  
d. None
49. Favisim is allergy to humans due to pollens of:  
a. Dolichos Bean  
b. Lima Bean  
c. Broad Bean  
d. Cluster Bean
50. Which one is called vegetable meat?  
a. Pea  
b. French Bean  
c. Cow Pea  
d. Lima Bean

51. Propagation of Pointed Gourd is generally by:  
a. Seed  
b. **Vine Cutting**  
c. Root Cutting  
d. Tuberosse Roots
52. Bitterness of Bitter Gourd is due to:  
a. Cucurbitacin  
b. **Momordicin**  
c. Choline Estrase  
d. None
53. Which one is called as wholesome fruit?  
a. Bottle Gourd  
b. **Water Melon**  
c. Musk Melon  
d. Ash Gourd
54. Which is used mostly for pickle purpose?  
a. Cucumber  
b. **Gherkin**  
c. F<sub>1</sub> Hybrid Cucumbers  
d. None
55. Which one is sexually sterile diploid?  
a. Onion  
b. Leek  
c. **Garlic**  
d. None
56. Red-Violet colour of Beet Root is due to:  
a.  $\beta$ -Xanthin  
b.  **$\beta$ -Cyanin**  
c. Anthocynin  
d. Carotene
57. Multiple Resistant variety of Radish is due to:  
a. Pusa Himani  
b. Pusa Rashmi  
c. Pusa Chetaki  
d. **Arka Nishant**
58. Purple Speck is cultivar of:  
a. **Knol-Khol**  
b. Broccoli  
c. Cabbage  
d. Brussels Sprout
59. Synthetic varieties are common in:  
a. Tomato  
b. Brinjal  
c. Cabbage  
d. **Pea**
60. Which character makes Chilli most suitable for drying?  
a. Thin Pericarp  
b. Less Seed  
c. Long Spike  
d. **All of above**
61. Dry fruits of which vegetable has goitrogenic principle:  
a. Okra  
b. **Brinjal**  
c. Chilli  
d. Turnip
62. Pusa Ruby is important cultivar of tomato is cross of:  
a. Improved Meeruti  $\times$  Red Cloud  
b. **Sioux  $\times$  Improved Meeruti**  
c. Pusa Red plum  $\times$  Sioux  
d. Sioux  $\times$  Roma
63. Black Scurf resistant variety of Potato is:  
a. Kufri Jyoti  
b. Kufri Alankar  
c. **Kufri Kuber**  
d. Kufri Badshah

64. Which vegetable is monocot one from the followings?  
a. Asparagus  
b. Amaranths  
c. Palak  
d. None
65. Processed & fresh market variety of Tomato is:  
a. Angurlata  
b. Pusa Ruby  
c. Arka Saurabh  
d. Sioux
66. Fruit of Potato is called:  
a. Berry  
b. Seed Ball  
c. Capsule  
d. None
67. Root knot nematode is main problem of:  
a. Potato  
b. Brinjal  
c. Tomato  
d. Chilli
68. Greening of Potato is due to:  
a. High Nitrogen  
b. Moisture deficiency  
c. Sun Exposure  
d. Poor ventilation
69. Annual Drumstick is propagated by:  
a. Limb Cutting  
b. Root Cutting  
c. Seed  
d. None
70. Which vegetable is commonly called Chinese Potato?  
a. Coleus  
b. Sweet Potato  
c. Colocassia  
d. Water chestnut
71. Vascular blue lining /Vascular streaking is main feature of:  
a. Sweet Potato  
b. Cassava  
c. Yam  
d. Coleus
72. Thermodormancy is found in:  
a. Palak  
b. Amaranths  
c. Lettuce  
d. Celery
73. Goma manjiri is new cultivar of:  
a. Cow Pea  
b. French bean  
c. Cluster Bean  
d. Pea
74. Stalking is important operation in which group of French bean?  
a. Pole Type  
b. Bush Type  
c. Semi-pole Type  
d. All of above
75. Which cucurbit shows vivipary?  
a. Chow-Chow  
b. Spine Gourd  
c. Ivy Gourd  
d. All of above
76. Max area of Pumpkin is under which state?  
a. Bihar  
b. Puniab  
c. Odisha  
d. West Bengal

77. Heterosis is present in all stages of:
- Ridge Gourd
  - Pumpkin
  - Bottle Gourd**
  - Cucumber
78. Multiple Disease Resistant variety of Watermelon is:
- Arka Manik**
  - Arka Jyoti
  - Pusa Bedana
  - None
79. Which vegetable is commonly called wolf Apple?
- Tomato**
  - Brinjal
  - Potato
  - Capsicum
80. Most devastating disease in seed production of Onion is:
- Wilting
  - Purple Blotch**
  - Basal Rot
  - None
81. Leading exporter of Onion is:
- India
  - China
  - Netherland**
  - Spain
82. Carrot cultivar suitable for processing is:
- Pusa yamdagini
  - Pusa Kesar
  - Zeno
  - Chantenay**
83. Karamsag is important cultivar of:
- Kale**
  - Knol-Khol
  - Brussels Sprout
  - Broccoli
84. Early varieties of cauliflower is harvested in months of:
- May
  - June
  - July
  - August**
85. Cabbage has anti-cancerous properties due to presence of:
- Isothiocynate
  - Sulphoraphane
  - Indole-3-Carbinol**
  - Diallyl disulphide
86. Fruit rot resistant variety of Chilli is:
- NP-46A
  - Pusa Lal
  - CH-1
  - K-2**
87. Bicolour cultivar of Brinjal is:
- Vaishali**
  - Arka Navneet
  - Arka Kusumkar
  - NOB-25
88. Tomato cultivar developed using MS line:
- Pusa Rohini
  - Pusa Upkar
  - Pusa Divya**
  - Pusa Ruby
89. Which vegetable is processed most?
- Potato
  - Cucumber
  - Tomato**
  - Chilli

90. Protein content present in Potato is:  
a. 1.6%  
b. 4%  
c. 12 %  
d. 22 %
91. What should be the size of kitchen garden for a family of five members?  
a. 50 m<sup>2</sup>  
b. 150 m<sup>2</sup>  
c. 250 m<sup>2</sup>  
d. 300 m<sup>2</sup>
92. Potato is which type of plant on the basis of tuber formation?  
a. Short day plant  
b. Long day plant  
c. Day neutral plant  
d. None
93. Delayed harvesting in Radish cause:  
a. Forking  
b. Pithiness  
c. Deformed roots  
d. None
94. International Potato centre (CIP) is situated at:  
a. Belgium  
b. Brazil  
c. Peru  
d. Netherland
95. Perennial Drumstick is propagated by:  
a. Limb Cutting  
b. Root Cutting  
c. Seed  
d. None
96. Potato is which type of plant on the basis of flowering?  
a. Short day plant  
b. Long day plant  
c. Day neutral plant  
d. None
97. The genetic constitution of haploid set of *Brassica oleracea* is  
a. AABBC CDEF  
b. AABCDDEFF  
c. ABCDDEFF  
d. ABBCCDEEF
98. Which of the following vegetable crops is most tolerant to saline soil?  
a. Sweet pepper  
b. Radish  
c. Palak  
d. Snake gourd
99. The basic chromosome number of *Amaranthus* are  
a. x = 14 and 15  
b. x = 15 and 16  
c. x = 16 and 17  
d. x = 17 and 18
100. The chillies are rich in vitamin  
a. A  
b. C  
c. A&C  
d. None