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I. Chose the appropriate answer

1. Present day garden styles of India are more similar to the pattern of .....types of Gardens  
 a) English                      b) Mughal                      ~~e) Japanese~~                      d) Persian
2. Chadar (Water Sheet) is a main garden feature of  
 a) Japanese                      b) Persian                      ~~e) Mughal~~                      d) English
3. Pusa Suhagin is the cultivar of .....  
 a). Rose                      b). Gladiolus                      ~~e) Chrysanthemum~~                      d). China Aster
4. Which of the following annual doesn't produce flowers?  
 a) ~~Amaranthus~~                      b). Balsam                      c). Kochia                      d). Ageratum
5. Stenting method of propagation is followed in which flower crop  
 a) Jasmine                      b) Rose                      c) Gerbera                      d) Carnation
6. Calyx splitting in Carnation is due to the night temperature is less than?  
 a) 15°C                      ~~b) 10 °C~~                      c) 20°C                      d) 5°C
7. Which annual is used for screening purpose  
 a) Salvia                      ~~b) Holyhock~~                      c) Clianthus                      d) Carnation
8. Largest Tulip Garden in Asia is located at?  
 a) Bangalore                      b) Lucknow                      ~~e) Srinagar~~                      d) Chandigarh
9. Bottom heating treatment is used to enhance rooting percentage in  
 a) Hibiscus                      b) Rose                      ~~e) Bougainvillea~~                      d) Dahlia
10. Flower colour of *Antogonon leptopus* is  
 a) ~~Blue~~                      b). Dark Red                      c). Pink                      d). Yellow
11. National Institute of Abiotic Stress Management is located at  
 a). Baramati                      b) Bangalore                      c). Kanpur                      d). Ranchi
12. Arthur Sim is .....type of Carnations  
 a) Miniature                      b) Spray                      ~~e) Standard~~                      d) None
13. Shalimar Garden was built by  
 a). Akbar                      ~~b). Jahangir~~                      c) Shah Jahan                      d). Hyder Ali
14. Which of the following is terrestrial orchid  
 a). ~~Dendrobium~~                      ~~b). Cymbidium~~                      c). Vanda                      d). *Bulbophyllum*
15. Quilling of florets is common disorder in  
 a). Marigold                      b). Carnation                      ~~e). Chrysanthemum~~                      d). Dahlia
16. The concept of plant Idiotype was first propounded by  
 a). C. M. Donald                      b). C. M. Rick                      c). G. J. Mendel                      d). G. Kalloo
17. Which of the following is strongest senescence stimulator?  
 a) BA                      b) ABA                      c) PBA                      d) AOA
18. Dormancy of gladiolus corms is due to the presence of which acid?  
 a) Linolenic acid                      b) Linoleic acid                      c) Palmic acid                      d) All of the above
19. Garden of Fathepur Sikri is built by  
 a) Akbar                      b) Fadai Khan                      c) Jahangir                      d) Babur
20. Which Rose variety developed in India and patented in USA  
 a). Mohini                      b). Pusa Priya                      c). Pusa Jay                      d). a & b
21. Pari Mullai belongs to the Jasminum sp.  
 a) J. auriculatum                      b) *J. grandiflorum*                      c) *J. sambac*                      d) *J. multiflorum*

22. Queen of flowering trees is  
 ✓ a) *Alstonia scholaris* b) *Amherstia nobilis* c) *Tabebuia argentea* d) *Lagerstroemia sp.*
23. The Scientific name of Indian Leburnum is  
 ✓ a) *Cassia fistula* b) *Cassia nodosa* c) *Cassia renigera* d) None
24. Wintering in Rose is very common in which part of the India?  
 α a) Western b) Eastern c) Southern d) Northern
25. Petal burn in chrysanthemum is due to the deficiency of  
 a) Ca b) Bo c) Cu d) K
26. *Holmskioldia sanguinea* belongs to the origin  
 a) Maxico b) India c) West Africa d) Burma
27. Yellow Stone is a variety of  
 α a) Gladiolus b) Chrysanthemum c) Gerbera d) Rose
28. Yellow Gold is a variety of  
 ✓ a) Gladiolus b) Chrysanthemum c) Gerbera d) Rose
29. PM house garden is an best example of  
 a) Japanese b) Persian c) Mughal d) English
30. Slabside is a physiological disorder occurs during  
 ✓ a) Warm period b) Cool Periods c) Summer Periods d) All
31. Maghi cultivar of Chrysanthemum produces flowers during the month of .....  
 α a) Jan-Feb b) Feb-Mar c) Mar-April d) April-June
32. Headquarter of FAO is  
 a) Geneva b) Bangkok c) London d) Rome
33. Which is known as 'Song of India'  
 a) *Pleomele reflexa variegata* b) *Zebrina sp.* c) *Dracaena sp.* d) *Tradescantia sp.*
34. Botanical name of the French Rose?  
 ✓ a) *R. centifolia* b) *R. gigantia* c) *R. gallica* d) *R. multiflora*
35. Native place of Carnation  
 ✓ a) France b) Germany c) India d) China
36. Corms of Gladiolus is rich in which Vitamin?  
 α a) Vit-A b) Vit-B c) Vit-D d) Vit-C
37. Which is not an element  
 ✓ a) Colour b) Line c) Scale d) Proportion
38. Which group of Liliium is odour less?  
 a) Oriental b) Asiatic c) Both d) None
39. Marigold was introduced to India from  
 ✓ a) Parsian b) British c) Japanese d) Mughals
40. Silver oak tree produces .....colored flowers  
 a) White b) Golden Yellow c) Scarlet Org d) Crimson Red
41. Geotrophic bending during transportation is common in?  
 ✓ a) Gladiolus b) Chrysanthemum c) Lupine d) All of these
42. Fine textured tree produces orange red flowers during the month of  
 α a) Jan-Feb b) Feb-Mar c) Mar-April d) May-June
43. Epinasty in Poinsettia can be reduced by spraying?  
 a) Sugar b) Silver Nitrate c) Cobalt Nitrate d) Ancymidol
44. Riverside beauty belongs to the family  
 a) Balsamaceae b) Cannaceae c) Aizoaceae d) Compositae
45. Pollen sterility in Marigold is governed by  
 ✓ a) Single dominant gene b) Single recessive gene c) Polygene d) none
46. Which perfume is costliest in the world?  
 ✓ a) Rose b) Jasmine c) Carnation d) *Michelia champaka*

- ✓ 47. Jasmine is national flower of  
 a) India      b) Pakistan      c) Wales      d) Germany
- ✓ 48. Specialized spongy tissue covering roots of Epiphytic orchids is  
 a) Keikis      b) Labelum      c) Column      d) Velamen
- ✓ 49. In Japanese language, Man is known as?  
 a) Soe      b) Juthi      c) Sogustu      d) Manni
- ✓ 50. Mobility in garden is created by use of  
 a) Different size      b) Deciduous trees      c) Evergreen tree      d) Ever green shrub

## II. State True or False

- ✓ 1. Carnation flowers are highly sensitive to ethylene T
- ✓ 2. Longer day length improves the spike quality in Gladiolus T
- ✓ 3. The garden at Taj Mahal is a best example of Japanese style of garden F
- ✓ 4. Kochia is strictly summer annual T
- ✓ 5. All annual flowers are grown during summer season in northern hills T
- ✓ 6. Iceberg is a cultivar of Candyduft T
- ✓ 7. Indian Chief is a cultivar of Calendula T
- ✓ 8. Basanti a cultivar of chrysanthemum is grown for garland purpose T
- ✓ 9. September–October is ideal time for sowing annuals T
- ✓ 10. African marigolds produces of about 10–12 tonnes of flower yield/hectare F
- ✓ 11. Perpetual carnations are multiplied vegetatively by stem cuttings T
- ✓ 12. For healthy growth of Anthuriums shade level of 75% is ideal T
- ✓ 13. Tuberose is example for Long Day plant T
- α 14. Light intensity requirement for best rose production is 5000-6000 foot candles T  
 6000-8000
- ✓ 15. Himroz belongs to *Rosa damascena* T
- ✓ 16. *Sen rin tsukuri* is a Japanese style of chrysanthemum culture means growing hundred blooms F
- ✓ 17. The rootstocks used in India are propagated by stem cuttings T
- ✓ 18. Carnation requires approximately 150–180 days from planting to flower under protected conditions F
- ✓ 19. *J. grandiflorum* is popularly known as Arabian jasmine F
- ✓ 20. *Salvia* belongs to the family Labiataeae
- α 21. *J. multiflorum* is one of the resistant and scented Jasmine T
- ✓ 22. First tissue culture in Orchids was discovered by Morel T
- ✓ 23. Blueing in Rose petals is due to the accumulation of Ammonia T

24. Pusa Anmol is a Photo and thermo- insensitive cultivar produces flowers thrice in a year
25. Arka Tejas is cross between *D. chinensis* X *D. Caryophyllus*

### III. Fill in the blanks

- ✓ 1. National Registration Authority of Roses is located at New Delhi
2. Tanaka is the famous cultivar of Antheum
- α 3. Fragrance in rose is controlled by Multiple gene/s
- ✓ 4. Intergeneric monopodial hybrids Aranda, Aesocenda, Mokaro.
- ✓ 5. Pusa Apricot Supreme is F1 Hybrid of Hollyhock
- α 6. *J. grandiflorum*, pruning time is during March - April
7. 7-up (2.5%) is usually used to increase the vase life of Antheum
- α 8. Aster yellows in gladiolus is caused by Aphids vectors Leffers
9. Expand IHBT \_\_\_\_\_ at New Delhi
- ✓ 10. Father of Rose breeding in India B.S. Bhattacharjee
- α 11. Rangoon creeper belongs to the family Convolvulaceae
12. Sikander Bagh was established by \_\_\_\_\_
- ✓ 13. Proper utilization of available flora and fauna in the beautification of the surroundings is known as Bioaesthetic Planning and the concept was given by \_\_\_\_\_
14. The commonly used rootstock for budding is Rosa indica var. oederata in northern plains and Rosa multiflora in coastal areas
- α 15. Gerbera Foot rot can be controlled by the application of Thiram chemical
- ✓ 16. Amar Shola is a cultivar of Amaranthus
17. Anthurium Bacterial Blight is caused by Xanthomonas campestris cv. differbachera
- ✓ 18. Warm Colours are Red, Orange & Yellow
- α 19. Popular multibracted cultivars of Bougainvillea are Archana & Cherry Blossom
20. Botanical Name of Calla Lily Zea
21. *Spathodea campanulata* produces <sup>flowers</sup> seeds during the month of sept - nov
22. IARI cultivars were released as honour of stamps by Dept of Post are Shashan & delhi princess
- ✓ 23. Lady's Slipper Orchids is Phapheophedilum
- ✓ 24. Tomb Garden related to Mughal gardens Grandiflora
- α 25. Floribundas is a cross between Hybrid Tea & China roses

## IV. Match the following

1		1. Pangara	a. April-July
2		2. Semal	b. July-Aug
3		3. Karanj	c. May
4		4. Devil's Tree	d. March
5		5. Queen Flower	e. April
6	c	1. Arka Aadhya	a. Rose
7	a	2. Arka Parimala	b. Gladiolus
8	d	3. Arka Sugandhi	c. China Aster
9	e	4. Arka Supriya	d. Jasmine
10	b	5. Arka Naveen	e. Crosandra
11	b	1. <i>Cymbidium</i>	a. Tropical Orchid
12	e	2. <i>Phalaenopsis</i>	b. Temperate orchid
13	a	3. <i>Dendrobium</i>	c. Largest Orchid sp.
14	c	4. <i>Bulbophyllum</i>	d. Fox tail Orchid
15	d	5. <i>Ryncostylis</i>	e. Moth orchid
16		1. Tulip tree	a. Ixora
17		2. Rukmini	b. Pyrostegia
18		3. Kachnar	c. Bauhinia
19		4. Golden shower	d. Phyllanthus
20		5. Snow bush	e. Spathodea
21	e	1. Biocide	a. Malathion
22	d	2. Pulsing	b. Thiram
23	a	3. Insecticide	c. CCC
24	b	4. Fungicide	d. Sucrose
25	c	5. Growth Retardent	e. 8 HQC