

14 Floriculture and Landscaping ICAR SEPT 2022

Topic:- GEN KNOW COMMON PHD

1) Colour of the tag used on certified seed bags is[Question ID = 16958][Question Description = 101_221_GKD_SEP22_Q01]

1. Blue [Option ID = 37829]
2. Purple [Option ID = 37830]
3. White [Option ID = 37831]
4. Golden Yellow [Option ID = 37832]

2) Following are the statements regarding the Usar soil -

- A. It is reclaimed by adding lime.
- B. This soil has pH more than seven.
- C. Paddy crop can be grown in this soil.

Choose the *correct* answer from the options given below:

[Question ID = 16959][Question Description = 102_221_GKD_SEP22_Q02]

1. A and B only [Option ID = 37833]
2. B and C only [Option ID = 37834]
3. C only [Option ID = 37835]
4. A only [Option ID = 37836]

3) When total utility of a commodity increases, marginal utility will be

[Question ID = 16960][Question Description = 103_221_GKD_SEP22_Q03]

1. Negative but increasing
[Option ID = 37837]
2. Positive but decreasing
[Option ID = 37838]
3. Constant
[Option ID = 37839]
4. Either positive or negative
[Option ID = 37840]

4) Where is the headquarter of International Fund for Agriculture Development located?

[Question ID = 16961][Question Description = 104_221_GKD_SEP22_Q04]

1. Vienna, Austria
[Option ID = 37841]
2. Rome, Italy
[Option ID = 37842]
3. New York, USA
[Option ID = 37843]
4. Berlin, Germany
[Option ID = 37844]

5) Mid-Oceanic Ridges are one of the important divisions of the ocean floor. In this respect, point out the incorrect statement regarding the 'Mid-Oceanic Ridges'. [Question ID = 16962][Question Description = 105_221_GKD_SEP22_Q05]

1. It is the largest mountain chain on the surface of the earth [Option ID = 37845]
2. It is a series of interconnected chain within the ocean. [Option ID = 37846]
3. It is characterised by a central rift system [Option ID = 37847]
4. The rift system at the crest is the zone of very low volcanic activity. [Option ID = 37848]

6) Consider the following facts about the union territory of India and point out the one which is incorrect in relation to union territory. [Question ID = 16963][Question Description = 106_221_GKD_SEP22_Q06]

1. These are the areas under the direct control of central government. [Option ID = 37849]
2. Also known as the 'centrally administered territories. [Option ID = 37850]

3. These territories constitute a conspicuous departure from the unitary feature of India. [Option ID = 37851]
4. There is no uniformity in their administrative systems. [Option ID = 37852]

7) Variety of flora and fauna are found in the different types of forest in India. In this regard, species of trees like teak, *sal shisham*, *sandalwood*, etc. are found in which of the following type of forests in India?[Question ID = 16964][Question Description = 107_221_GKD_SEP22_Q07]

1. Tropical evergreen forests [Option ID = 37853]
2. Tropical thorn forests [Option ID = 37854]
3. Tropical deciduous forests [Option ID = 37855]
4. Montane forests [Option ID = 37856]

8) The Marginal Preference Theory of consumption behaviour was proposed by

[Question ID = 16965][Question Description = 108_221_GKD_SEP22_Q08]

1. Armstrong
[Option ID = 37857]
2. J.K.Hicks
[Option ID = 37858]
3. Neumann
[Option ID = 37859]
4. Edmund Cannon
[Option ID = 37860]

9) Point out the incorrect statements regarding the service sector in India.[Question ID = 16966][Question Description = 109_221_GKD_SEP22_Q09]

1. It is the highest contributor to GDP [Option ID = 37861]
2. It requires skilled labour [Option ID = 37862]
3. It is the fastest growing sector [Option ID = 37863]
4. It is restricted to very few sectors. [Option ID = 37864]

10) Consider the statements regarding the agriculture sector in India and point out the incorrect statement.[Question ID = 16967][Question Description = 110_221_GKD_SEP22_Q10]

1. Agriculture sector is the largest employer of workforce [Option ID = 37865]
2. It has contributed to the Gross Value Added (GVA) [Option ID = 37866]
3. Growth in allied sectors is the major drivers of overall growth in the sector. [Option ID = 37867]
4. Minimum Support Price (MSP) policy is used as to promote crop uniformity. [Option ID = 37868]

11) In case of related goods, the cross elasticity of demand is[Question ID = 16968][Question Description = 111_221_GKD_SEP22_Q11]

1. Low [Option ID = 37869]
2. High [Option ID = 37870]
3. Zero [Option ID = 37871]
4. Unity [Option ID = 37872]

12) With reference to organic farming in India, consider the following statements :

- A. The National Programme for Organic Production' (NPOP) is operated under the guidelines and directions of the Union Ministry of Rural Development.
- B. The Agricultural and Processed Food Products Export Development Authority' (APEDA) functions as the Secretariat for the implementation of NPOP.
- C. Sikkim has become India's first fully organic state.

Choose the *correct* answer from the options given below:

[Question ID = 16969][Question Description = 112_221_GKD_SEP22_Q12]

1. A and B only
[Option ID = 37873]
2. B and C only
[Option ID = 37874]
3. C only
[Option ID = 37875]
4. A, B and C

[Option ID = 37876]

13) With reference to the circumstances in Indian agriculture, the concept of "Conservation Agriculture" assumes significance. Which of the following falls under the Conservation Agriculture ?

- A. Avoiding the monoculture practices.
- B. Adopting minimum tillage.
- C. Avoiding the cultivation of plantation crops.
- D. Using crop residues to cover soil surface.
- E. Adopting spatial and temporal crop sequencing/ crop rotations.

Choose the *correct* answer from the options given below:

[Question ID = 16970][Question Description = 113_221_GKD_SEP22_Q13]

- 1. A, C and D only [Option ID = 37877]
- 2. B, C, D and E only [Option ID = 37878]
- 3. B, D and E only [Option ID = 37879]
- 4. A, B, C and E only [Option ID = 37880]

14) Consumers are likely to get a variety of goods in which kind of market competition[Question ID = 16971][Question Description = 114_221_GKD_SEP22_Q14]

- 1. Monopoly [Option ID = 37881]
- 2. Duopoly [Option ID = 37882]
- 3. Oligopoly [Option ID = 37883]
- 4. Monopolistic [Option ID = 37884]

15) What is the correct chronological order of the following laws enacted for the conservation and protection of environment ?

- A. Environment (Protection) Act.
- B. Water (Prevention & Control of Pollution) Act.
- C. Air (Prevention & Control of pollution) Act.
- D. National Green Tribunal Act.

Choose the *correct* answer from the options given below:

[Question ID = 16972][Question Description = 115_221_GKD_SEP22_Q15]

- 1. B, C, A, D [Option ID = 37885]
- 2. A, B, C, D [Option ID = 37886]
- 3. C, B, A, D [Option ID = 37887]
- 4. D, C, B, A [Option ID = 37888]

16) The scientific study of soil is[Question ID = 16973][Question Description = 116_221_GKD_SEP22_Q16]

- 1. Earth Study [Option ID = 37889]
- 2. Soil Science [Option ID = 37890]
- 3. Pedology [Option ID = 37891]
- 4. Soil Chemistry [Option ID = 37892]

17) *Triticum aestivum*, the common bread wheat is -

[Question ID = 16974][Question Description = 117_221_GKD_SEP22_Q17]

- 1. Tetraploid

[Option ID = 37893]

- 2. Hexaploid

[Option ID = 37894]

- 3. Haploid

[Option ID = 37895]

- 4. Diploid

[Option ID = 37896]

18) Sectoral inflation refers to[Question ID = 16975][Question Description = 118_221_GKD_SEP22_Q18]

- 1. Running inflation [Option ID = 37897]

2. Comprehensive inflation [Option ID = 37898]
3. Sporadic inflation [Option ID = 37899]
4. Creeping inflation [Option ID = 37900]

19) Keynes Liquidity trap refers to[Question ID = 16976][Question Description = 119_221_GKD_SEP22_Q19]

1. Speculative demand for money [Option ID = 37901]
2. Transactions motive of money is inelastic [Option ID = 37902]
3. Precautionary motive of money is inelastic [Option ID = 37903]
4. Transactions motive of money is constant [Option ID = 37904]

20) A business is solvent if[Question ID = 16977][Question Description = 120_221_GKD_SEP22_Q20]

1. Total receipts exceed total expenditures [Option ID = 37905]
2. Total debt exceeds total equity [Option ID = 37906]
3. Total sales exceed total cash expense [Option ID = 37907]
4. Total assets exceed total liabilities [Option ID = 37908]

Topic:- Horticulture_PHD

1) Which of the following is a potassium loving crop and also consider as high K and S foraging crop?[Question ID = 3101][Question Description = 101_160_HOR_SEP22_Q01]

1. Cauliflower [Option ID = 12401]
2. Cucumber [Option ID = 12402]
3. Potato [Option ID = 12403]
4. Okra [Option ID = 12404]

2) Which among the following vegetable has extremely high respiration rate?

[Question ID = 3102][Question Description = 102_160_HOR_SEP22_Q02]

1. Carrot [Option ID = 12405]
2. Asparagus [Option ID = 12406]
3. French bean [Option ID = 12407]
4. Cabbage [Option ID = 12408]

3) Based on plant spread and fruit shape which of the botanical variety of brinjal (*Solanum melongena*) is reported to have round and egg-shaped fruits?

[Question ID = 3103][Question Description = 103_160_HOR_SEP22_Q03]

1. *Solanum melongena* var. *esculenta*
[Option ID = 12409]
2. *Solanum melongena* var. *serpentinum*
[Option ID = 12410]
3. *Solanum melongena* var. *depressum*
[Option ID = 12411]
4. *Solanum melongena* var. *incanum*
[Option ID = 12412]

4) Which of the following tomato hybrid carries multiple disease resistance with respect to leaf curl virus, bacterial wilt and early blight?[Question ID = 3104][Question Description = 104_160_HOR_SEP22_Q04]

1. Arka Abha [Option ID = 12413]
2. Arka Ananya [Option ID = 12414]
3. Arka Samrat [Option ID = 12415]
4. Kashi Vishesh [Option ID = 12416]

5) Nutritional value of which group of vegetable in general is reduced due to the presence of trypsin inhibitors?

[Question ID = 3105][Question Description = 105_160_HOR_SEP22_Q05]

1. Cucurbits [Option ID = 12417]
2. Solanaceous [Option ID = 12418]
3. Leafy [Option ID = 12419]
4. Legume [Option ID = 12420]

6) Which of the following is drought tolerant potato variety?[Question ID = 3106][Question Description = 106_160_HOR_SEP22_Q06]

1. Kufri Mohan [Option ID = 12421]
2. Kufri Thar-2 [Option ID = 12422]

3. Kufri Karan [Option ID = 12423]
4. Kufri Kheda-1 [Option ID = 12424]

7) High value functional foods obtained from certain crop species and harvested at first true leaves stage (7-21 days old seedlings) are called as[Question ID = 3107][Question Description = 107_160_HOR_SEP22_Q07]

1. Macrogreens [Option ID = 12425]
2. Microgreens [Option ID = 12426]
3. Pre-cut greens [Option ID = 12427]
4. Herbal greens [Option ID = 12428]

8) What is the scientific name of Curry leaf?[Question ID = 3108][Question Description = 108_160_HOR_SEP22_Q08]

1. *Murraya koengii* [Option ID = 12429]
2. *Moringa oleifera* [Option ID = 12430]
3. *Celosia argentea* [Option ID = 12431]
4. *Pastinaca sativa* [Option ID = 12432]

9) According to APEDA, What is the India's share (approximately in percent) of export of fruits & vegetables in the global market ?

[Question ID = 3109][Question Description = 109_160_HOR_SEP22_Q09]

1. 5
[Option ID = 12433]
2. 3
[Option ID = 12434]
3. 1
[Option ID = 12435]
4. 7
[Option ID = 12436]

10) What is the seed rate (kg/ha) of Pole type Dolichos bean ?[Question ID = 3110][Question Description = 110_160_HOR_SEP22_Q10]

1. 45-50 [Option ID = 12437]
2. 35-40 [Option ID = 12438]
3. 10-15 [Option ID = 12439]
4. 20-30 [Option ID = 12440]

11) Which is the best index tissue for nutrient analysis in papaya?

[Question ID = 3111][Question Description = 111_160_HOR_SEP22_Q11]

1. Leaf [Option ID = 12441]
2. Petiole [Option ID = 12442]
3. Stem [Option ID = 12443]
4. Root [Option ID = 12444]

12) Which of the following pair of fruits has the tendency of climacteric fruit ripening?

[Question ID = 3112][Question Description = 112_160_HOR_SEP22_Q12]

1. Litchi and Grape [Option ID = 12445]
2. Pineapple and Citrus [Option ID = 12446]
3. Avocado and Apricot [Option ID = 12447]
4. Pomegranate and Cherry [Option ID = 12448]

13) Which of the following species played a seminal role in the origin of cultivated apples?[Question ID = 3113][Question Description = 113_160_HOR_SEP22_Q13]

1. *Malus sieversii* [Option ID = 12449]
2. *Malus sylvestris* [Option ID = 12450]
3. *Malus baccata* [Option ID = 12451]
4. *Malus prunifolia* [Option ID = 12452]

14) The term " chicken-tongue" is associated with[Question ID = 3114][Question Description = 114_160_HOR_SEP22_Q14]

1. Grape [Option ID = 12453]
2. *Garcinia* [Option ID = 12454]
3. Papaya [Option ID = 12455]
4. Litchi [Option ID = 12456]

15) What is the family of jackfruit (*Artocarpus heterophyllus* Lamrk)?

[Question ID = 3115][Question Description = 115_160_HOR_SEP22_Q15]

1. Myrtaceae [Option ID = 12457]
2. Moraceae [Option ID = 12458]
3. Bombaceae [Option ID = 12459]
4. Bromeliaceae [Option ID = 12460]

16) What are the permissible limits of somaclonal variation in tissue cultured plants?

[Question ID = 3116][Question Description = 116_160_HOR_SEP22_Q16]

1. 3 to 5 % [Option ID = 12461]
2. 5 to 8% [Option ID = 12462]
3. 8 to 12% [Option ID = 12463]
4. 12 to 15 % [Option ID = 12464]

17) What is the estimated genome size of the mango?[Question ID = 3117][Question Description = 117_160_HOR_SEP22_Q17]

1. ~275 MB [Option ID = 12465]
2. ~375 MB [Option ID = 12466]
3. ~439 MB [Option ID = 12467]
4. ~539 MB [Option ID = 12468]

18) The most commercial grape rootstock "Dog Ridge" is selected from[Question ID = 3118][Question Description = 118_160_HOR_SEP22_Q18]

1. *Vitis vinifera* [Option ID = 12469]
2. *Vitis parviflora* [Option ID = 12470]
3. *Vitis labrusca* [Option ID = 12471]
4. *Vitis champini* [Option ID = 12472]

19) The quality and grade of papain are measured by[Question ID = 3119][Question Description = 119_160_HOR_SEP22_Q19]

1. Refractor unit [Option ID = 12473]
2. Tyrosine unit [Option ID = 12474]
3. Spectro unit [Option ID = 12475]
4. Defacto unit [Option ID = 12476]

20) What is the genomic group of Grande Naine banana?[Question ID = 3120][Question Description = 120_160_HOR_SEP22_Q20]

1. AA [Option ID = 12477]
2. AB [Option ID = 12478]
3. AAA [Option ID = 12479]
4. AAB [Option ID = 12480]

21) What is the ideal temperature for cold storage of mature mangoes?

[Question ID = 3121][Question Description = 121_160_HOR_SEP22_Q21]

1. 5-6 °C
[Option ID = 12481]
2. 9-10 °C
[Option ID = 12482]
3. 12-13 °C
[Option ID = 12483]
4. 15-16 °C
[Option ID = 12484]

22) Which part of the oil palm fruit is used for palm oil extraction?[Question ID = 3122][Question Description = 122_160_HOR_SEP22_Q22]

1. Seed [Option ID = 12485]
2. Epicarp [Option ID = 12486]
3. Mesocarp [Option ID = 12487]
4. Endocarp [Option ID = 12488]

23) What is the desired dry matter content in potato tubers meant for chips making ?[Question ID = 3123][Question Description = 123_160_HOR_SEP22_Q23]

1. 18 per cent [Option ID = 12489]
2. 20 per cent [Option ID = 12490]
3. 15 per cent [Option ID = 12491]
4. 10 per cent [Option ID = 12492]

24) Which part of Safed Musli (*Chlorophytum borivilianum*) has higher commercial value and used for postharvest processing ?

[Question ID = 3124][Question Description = 124_160_HOR_SEP22_Q24]

1. Seeds [Option ID = 12493]
2. Leaves [Option ID = 12494]
3. Stem [Option ID = 12495]
4. Roots [Option ID = 12496]

25) Which fruit/vegetable crop has problem of soft nose and jelly seed disorder ?[Question ID = 3125][Question Description = 125_160_HOR_SEP22_Q25]

1. Mango [Option ID = 12497]
2. Tomato [Option ID = 12498]
3. Sapota [Option ID = 12499]
4. Pointed gourd [Option ID = 12500]

26) Which of the following is NOT used as desiccant for drying of ornamentals?

[Question ID = 3126][Question Description = 126_160_HOR_SEP22_Q26]

1. Silica gel [Option ID = 12501]
2. Boric acid [Option ID = 12502]
3. Potassium permanganate [Option ID = 12503]
4. Alum powder [Option ID = 12504]

27) Which among the following causes superficial scald in apple?

[Question ID = 3127][Question Description = 127_160_HOR_SEP22_Q27]

1. Pre-harvest calcium deficiency [Option ID = 12505]
2. Low temperature storage [Option ID = 12506]
3. Low oxygen level in storage [Option ID = 12507]
4. Infection by *Botrytis cinerea* [Option ID = 12508]

28) Which of the following is used as ethylene absorber in the packaging system?

[Question ID = 3128][Question Description = 128_160_HOR_SEP22_Q28]

1. Ferrous oxide [Option ID = 12509]
2. Hydrated lime [Option ID = 12510]
3. Silica gel [Option ID = 12511]
4. Potassium permanganate [Option ID = 12512]

29) Which among the following is a postharvest quarantine treatment of fresh horticultural produce?

[Question ID = 3129][Question Description = 129_160_HOR_SEP22_Q29]

1. Hot water treatment [Option ID = 12513]
2. De-greening treatment [Option ID = 12514]
3. Curing [Option ID = 12515]
4. Tinting [Option ID = 12516]

30) 'Kanji' is a beverage prepared from black carrot by[Question ID = 3130][Question Description = 130_160_HOR_SEP22_Q30]

1. Alcoholic fermentation [Option ID = 12517]
2. Acetic acid fermentation [Option ID = 12518]
3. Lactic acid fermentation [Option ID = 12519]
4. Enzymatic juice extraction [Option ID = 12520]

31) Which of the following foliage plant is used to make edge in the garden?

[Question ID = 3131][Question Description = 131_160_HOR_SEP22_Q31]

1. *Mathiola incana* [Option ID = 12521]
2. *Alyssum maritimum* [Option ID = 12522]
3. *Alternanthera amabilis* [Option ID = 12523]

4. *Zephyranthes rosea* [Option ID = 12524]

32) Which of the following is the first cultivar of rose developed by Dr. B. P. Pal for loose flower purpose?

[Question ID = 3132][Question Description = 132_160_HOR_SEP22_Q32]

1. Delhi White Pearl [Option ID = 12525]
2. Rose Sherbet [Option ID = 12526]
3. Pusa Alpana [Option ID = 12527]
4. Madhura [Option ID = 12528]

33) Who has given the concept of wild gardening?

[Question ID = 3133][Question Description = 133_160_HOR_SEP22_Q33]

1. Edwin Lutyens [Option ID = 12529]
2. G S Randhawa [Option ID = 12530]
3. Le Notre [Option ID = 12531]
4. William Robinson [Option ID = 12532]

34) Process of removing field heat from cut flowers in which temperature is brought down from 25-30 ° C to 1-2 ° C in less than an hour either through hydro-cooling or mechanical refrigeration is known as

[Question ID = 3134][Question Description = 134_160_HOR_SEP22_Q34]

1. Staking [Option ID = 12533]
2. Pre-cooling [Option ID = 12534]
3. Pulsing [Option ID = 12535]
4. Hardening [Option ID = 12536]

35) What is the chromosome number of Mohini, an aneuploid variety of rose?

[Question ID = 3135][Question Description = 135_160_HOR_SEP22_Q35]

1. $2n=23$ [Option ID = 12537]
2. $2n=21$ [Option ID = 12538]
3. $2n=22$ [Option ID = 12539]
4. $2n=24$ [Option ID = 12540]

36) Which of the following is a major loose flower crop grown in India?[Question ID = 3136][Question Description = 136_160_HOR_SEP22_Q36]

1. Gaillardia [Option ID = 12541]
2. Marigold [Option ID = 12542]
3. Ixora [Option ID = 12543]
4. Gomphrena [Option ID = 12544]

37) Which of the following is a warm season turf grass?[Question ID = 3137][Question Description = 137_160_HOR_SEP22_Q37]

1. *Agrostis palustris* [Option ID = 12545]
2. *Lolium multiflorum* [Option ID = 12546]
3. *Poa pratensis* [Option ID = 12547]
4. *Stenotaphrum secundatum* [Option ID = 12548]

38) Who has designed 'Mughal Garden' which is located at Pinjore, Haryana ?

[Question ID = 3138][Question Description = 138_160_HOR_SEP22_Q38]

1. Sher Shah Suri [Option ID = 12549]
2. Ibrahim Lodhi [Option ID = 12550]
3. Fidai Khan [Option ID = 12551]
4. Hyder Ali [Option ID = 12552]

39) 'Noorjahan' is an essential oil bearing variety of which flower crop?[Question ID = 3139][Question Description = 139_160_HOR_SEP22_Q39]

1. Tuberose [Option ID = 12553]
2. Rose [Option ID = 12554]
3. Carnation [Option ID = 12555]
4. Dahlia [Option ID = 12556]

40) Which of the following international organization is associated with protection of asexually reproduced ornamental plant varieties?

[Question ID = 3140][Question Description = 140_160_HOR_SEP22_Q40]

1. IAEA, Vienna [Option ID = 12557]
2. PPV&FRA, New Delhi [Option ID = 12558]
3. ISHS, Belgium [Option ID = 12559]
4. CIOPORA, Geneva [Option ID = 12560]

41) Which of the following is a hybrid variety of black pepper?

[Question ID = 3141][Question Description = 141_160_HOR_SEP22_Q41]

1. Panniyur-1 [Option ID = 12561]
2. Panniyur-2 [Option ID = 12562]
3. Panniyur-5 [Option ID = 12563]
4. Sreekara [Option ID = 12564]

42) Allspice is known for containing the flavour of which of the following combination?

[Question ID = 3142][Question Description = 142_160_HOR_SEP22_Q42]

1. Cinnamon, clove and bay leaf. [Option ID = 12565]
2. Cinnamon, clove and curry leaf. [Option ID = 12566]
3. Cinnamon, clove and nutmeg. [Option ID = 12567]
4. Cinnamon, clove and coriander. [Option ID = 12568]

43) Which of the following is NOT related to large cardamom?

[Question ID = 3143][Question Description = 143_160_HOR_SEP22_Q43]

1. Chirke and Foorkey [Option ID = 12569]
2. Ramsey and Gorse [Option ID = 12570]
3. Seeds and Suckers [Option ID = 12571]
4. Seeds and rhizome [Option ID = 12572]

44) Which of the following is a shrub?[Question ID = 3144][Question Description = 144_160_HOR_SEP22_Q44]

1. Rosemary [Option ID = 12573]
2. Fennel [Option ID = 12574]
3. Fenugreek [Option ID = 12575]
4. Parsley [Option ID = 12576]

45) Which is the useful part of cinnamon?[Question ID = 3145][Question Description = 145_160_HOR_SEP22_Q45]

1. Leaves [Option ID = 12577]
2. Flower [Option ID = 12578]
3. Root [Option ID = 12579]
4. Bark [Option ID = 12580]

46) Isabgol crop generally sown during which month?

[Question ID = 3146][Question Description = 146_160_HOR_SEP22_Q46]

1. July to mid- August [Option ID = 12581]
2. November to mid- December [Option ID = 12582]
3. January to mid- February [Option ID = 12583]
4. April to mid- May [Option ID = 12584]

47) 'Copping' is related to which of the following crop?

[Question ID = 3147][Question Description = 147_160_HOR_SEP22_Q47]

1. Dioscorea [Option ID = 12585]
2. Cinchona [Option ID = 12586]
3. Shatavari [Option ID = 12587]
4. Belladonna [Option ID = 12588]

48) Heroin drug is prepared from which medicinal plant?[Question ID = 3148][Question Description = 148_160_HOR_SEP22_Q48]

1. Datura [Option ID = 12589]
2. Safed musli [Option ID = 12590]
3. Cannabis (marijuana) [Option ID = 12591]
4. Opium poppy [Option ID = 12592]

49) Central Drug Research Institute is located at[Question ID = 3149][Question Description = 149_160_HOR_SEP22_Q49]

1. New Delhi [Option ID = 12593]

2. Bengaluru [Option ID = 12594]
3. Palampur [Option ID = 12595]
4. Lucknow [Option ID = 12596]

50) Which is the economic part of long pepper?[Question ID = 3150][Question Description = 150_160_HOR_SEP22_Q50]

1. Leaves [Option ID = 12597]
2. Seed [Option ID = 12598]
3. Spike [Option ID = 12599]
4. Berry [Option ID = 12600]

Topic:- 14 Floriculture and Landscaping_PHD

1) Match List I with List II

List I	List II
Common name	Scientific name
A. Sage rose	I. <i>Malvaviscus conzatii</i>
B. Caricature plant	II. <i>Phyllanthus nivosus</i>
C. Scarlet cotton	III. <i>Turnera ulmifolia</i>
D. Snow bush	IV. <i>Graptophyllum hortense</i>

Choose the correct answer from the options given below:

[Question ID = 3251][Question Description = 101_162_FL_A_SEP22_Q01]

1. A- IV, B- I, C- II, D- III [Option ID = 13001]
2. A- III, B- IV, C- I, D- II [Option ID = 13002]
3. A- II, B- III, C- IV, D- I [Option ID = 13003]
4. A- I, B- II, C- III, D- IV [Option ID = 13004]

2) Which one of the following desiccant is used for drying of ornamentals?

[Question ID = 3252][Question Description = 102_162_FL_A_SEP22_Q02]

1. Polyethylene Glycol [Option ID = 13005]
2. Potassium Chloride [Option ID = 13006]
3. Silica Gel [Option ID = 13007]
4. Sodium Hydroxide [Option ID = 13008]

3) Cultivars 'Ballerina Rose' and 'Beltlaard' belong to which of the following cut flower crop?

[Question ID = 3253][Question Description = 103_162_FL_A_SEP22_Q03]

1. *Gypsophila elegans* [Option ID = 13009]
2. *Limonium peregrinum* [Option ID = 13010]
3. *Paphiopedilum fairieanum* [Option ID = 13011]
4. *Dianthus caryophyllus* [Option ID = 13012]

4) The genome of which of the following species of chrysanthemum is sequenced ?

[Question ID = 3254][Question Description = 104_162_FL_A_SEP22_Q04]

1. *Chrysanthemum dichrum*
[Option ID = 13013]
2. *Chrysanthemum annua*
[Option ID = 13014]
3. *Chrysanthemum seticuspe*
[Option ID = 13015]
4. *Chrysanthemum morifolium*
[Option ID = 13016]

5) Given below are two statements

Statement I: Energy curtains are automated systems utilizing fabrics that insulate the greenhouse at night and shade the crops during the day.

Statement II: These energy curtains are 8-12 feet above the ground and are installed from gutter to gutter.

In light of the above statements, choose the most appropriate answer from the options given below

[Question ID = 3255][Question Description = 105_162_FL_A_SEP22_Q05]

1. Both Statement I and Statement II are correct [Option ID = 13017]

- Both Statement I and Statement II are incorrect [Option ID = 13018]
- Statement I is correct but Statement II is incorrect [Option ID = 13019]
- Statement I is incorrect but Statement II is correct [Option ID = 13020]

6) Which of the following scions are compatible to rootstock '*Myrtillocactus geometrizans*'?

- Cephalocereus senilis cristatus*
- Opuntia tunicata*
- Gymnocalycium mihanovichii* 'Rubra'
- Mammillaria angularis* 'Cristate'

Choose the *correct* answer from the options given below:

[Question ID = 3256][Question Description = 106_162_FL_A_SEP22_Q06]

- B and C only [Option ID = 13021]
- B and D only [Option ID = 13022]
- A and C only [Option ID = 13023]
- C and D only [Option ID = 13024]

7) Which of the following are cool season turf/lawn grasses?

- Cynodon dactylon*
- Lolium perenne*
- Poa pratensis*
- Stenotaphrum secundatum*

Choose the *correct* answer from the options given below:

[Question ID = 3257][Question Description = 107_162_FL_A_SEP22_Q07]

- A and C only [Option ID = 13025]
- B and C only [Option ID = 13026]
- C and D only [Option ID = 13027]
- A and D only [Option ID = 13028]

8) Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R

Assertion A: CAD or Computer Aided Design is a buzzword in architectural, engineering, landscaping, construction, etc. industries today.

Reason R: By using CAD softwares, project managers or landscapers can not produce better and efficient designs with less time and high degree of accuracy.

In light of the above statements, choose the *most appropriate* answer from the options given below

[Question ID = 3258][Question Description = 108_162_FL_A_SEP22_Q08]

- Both A and R are correct and R is the correct explanation of A [Option ID = 13029]
- Both A and R are correct but R is NOT the correct explanation of A [Option ID = 13030]
- A is correct but R is not correct [Option ID = 13031]
- A is not correct but R is correct [Option ID = 13032]

9) Arrange the following steps of pedigree method of handling the segregating generations from crosses in self pollinated flower crops?

- Space planting of individual plant progenies and selection of superior plants from progenies.
- Space planting of F₂ seeds and selection of superior progenies.
- Preliminary and coordinated yield trials, seed multiplication.
- Space planting of F₁ seeds, harvesting of F₂ seeds in bulks.
- Hybridization between selected parents.
- Space planting of individual plant progenies in multi rows and superior plant selection.

Choose the *correct* answer from the options given below

[Question ID = 3259][Question Description = 109_162_FL_A_SEP22_Q09]

- A, F, B, D, E, C [Option ID = 13033]
- A, D, B, C, F, E [Option ID = 13034]

3. E, D, B, A, F, C [Option ID = 13035]
4. D, E, A, F, C, B [Option ID = 13036]

10) Which of the following is having a spadix inflorescence ?[Question ID = 3260][Question Description = 110_162_FLA_SEP22_Q10]

1. *Chrysanthemum morifolium* [Option ID = 13037]
2. *Zantedeschia aethiopica* [Option ID = 13038]
3. *Gladiolus grandiflorus* [Option ID = 13039]
4. *Tagetes erecta* [Option ID = 13040]

11) Match List I with List II

List I	List II
Variety	Flower colour
A. Grand Gala	I. Pink
B. Noblesse	II. Purple
C. Konfetti	III. Red
D. Jacaranda	IV. Bicolor

Choose the correct answer from the options given below:

[Question ID = 3261][Question Description = 111_162_FLA_SEP22_Q11]

1. A- IV, B- III, C- I, D- II [Option ID = 13041]
2. A- III, B- I, C- IV, D- II [Option ID = 13042]
3. A- II, B- III, C- IV, D- I [Option ID = 13043]
4. A- I, B- II, C- III, D- IV [Option ID = 13044]

12) Style of bonsai in which trunk of plant hangs over the edge of the container giving the appearance of hanging over the ledge of a mountain is known as

[Question ID = 3262][Question Description = 112_162_FLA_SEP22_Q12]

1. Chokkan style [Option ID = 13045]
2. Hankan style [Option ID = 13046]
3. Shakan style [Option ID = 13047]
4. Kengai style [Option ID = 13048]

13) *Pandanus odoratissimus* is commonly propagated through

[Question ID = 3263][Question Description = 113_162_FLA_SEP22_Q13]

1. Seeds [Option ID = 13049]
2. Cuttings [Option ID = 13050]
3. Grafting [Option ID = 13051]
4. Budding [Option ID = 13052]

14) 'Cut and Come Again' is a popular strain belong to which *Zinnia* species?[Question ID = 3264][Question Description = 114_162_FLA_SEP22_Q14]

1. *Zinnia grandiflora* [Option ID = 13053]
2. *Zinnia linearis* [Option ID = 13054]
3. *Zinnia pumila* [Option ID = 13055]
4. *Zinnia acerosa* [Option ID = 13056]

15) Given below are two statements

Statement I: Head quarter of 'CPVO' is situated at Switzerland, Geneva, whereas Head quarter of 'UPOV' is situated at Angers, France.

Statement II: The global organizations namely 'UPOV' and 'CPVO' are associated with protection of plant varieties.

In light of the above statements, choose the *most appropriate* answer from the options given below

[Question ID = 3265][Question Description = 115_162_FLA_SEP22_Q15]

1. Both Statement I and Statement II are correct [Option ID = 13057]
2. Both Statement I and Statement II are incorrect [Option ID = 13058]
3. Statement I is correct but Statement II is incorrect [Option ID = 13059]
4. Statement I is incorrect but Statement II is correct [Option ID = 13060]

16) Approach or public area of landscape plan comprises which of the following areas?

- A. Front yard

- B. Entry court
- C. Kitchen yard
- D. Drive way

Choose the *correct* answer from the options given below:

[Question ID = 3266][Question Description = 116_162_FL_A_SEP22_Q16]

1. A ,B and C only [Option ID = 13061]
2. A, B and D only [Option ID = 13062]
3. B, C and D only [Option ID = 13063]
4. A, C and D only [Option ID = 13064]

17) Which of the following have beautiful natural dried fruits ?

- A. *Butea monosperma*
- B. *Bombax ceiba*
- C. *Aegle marmelos*
- D. *Cassia fistula*

Choose the *correct* answer from the options given below:

[Question ID = 3267][Question Description = 117_162_FL_A_SEP22_Q17]

1. A and B only [Option ID = 13065]
2. B and D only [Option ID = 13066]
3. A and C only [Option ID = 13067]
4. C and D only [Option ID = 13068]

18) Given below are two statements

Statement I: Bulb split is a disorder of *Lilium longiflorum* associated with aphids and high temperature during greenhouse phase.

Statement II: Bulb finger is a human skin irritation resulting from sensitive persons handling cut alstroemeria, narcissus and tulip bulbs.

In light of the above statements, choose the *most appropriate* answer from the options given below

[Question ID = 3268][Question Description = 118_162_FL_A_SEP22_Q18]

1. Both Statement I and Statement II are correct [Option ID = 13069]
2. Both Statement I and Statement II are incorrect [Option ID = 13070]
3. Statement I is correct but Statement II is incorrect [Option ID = 13071]
4. Statement I is incorrect but Statement II is correct [Option ID = 13072]

19) Which of the following is an important quality parameter in gladiolus?[Question ID = 3269][Question Description = 119_162_FL_A_SEP22_Q19]

1. Number of petals [Option ID = 13073]
2. Spike length [Option ID = 13074]
3. Flower diameter [Option ID = 13075]
4. Stem diameter [Option ID = 13076]

20) The exemption in which PBR system allow the farmers to use the material of a protected variety produced on their farm for planting of new crop without any obligation to the PBR title holder is referred as

[Question ID = 3270][Question Description = 120_162_FL_A_SEP22_Q20]

1. Breeder's right [Option ID = 13077]
2. Farmer's Privilege [Option ID = 13078]
3. Trade secret [Option ID = 13079]
4. Copyright [Option ID = 13080]

21) In freeze drying, flowers and foliage are dried at which of the following temperature?[Question ID = 3271][Question Description = 121_162_FL_A_SEP22_Q21]

1. - 20° C [Option ID = 13081]
2. 60° C [Option ID = 13082]
3. -35° C [Option ID = 13083]
4. 20° C [Option ID = 13084]

22) Given below are two statements

Statement I: *Azolla carolinians* and *Trapa natans* are oxygenators which requires no anchorage in soil for survival.

Statement II: Marginal plants prefer to grow with their roots in shallow water but raise their stems and flowers above the surface.

In light of the above statements, choose the *most appropriate* answer from the options given below

[Question ID = 3272][Question Description = 122_162_FLA_SEP22_Q22]

1. Both Statement I and Statement II are correct [Option ID = 13085]
2. Both Statement I and Statement II are incorrect [Option ID = 13086]
3. Statement I is correct but Statement II is incorrect [Option ID = 13087]
4. Statement I is incorrect but Statement II is correct [Option ID = 13088]

23) Lotus (*Nelumbo nucifera*) is a national flower of which of the following countries?

- A. India
- B. Japan
- C. Egypt
- D. Denmark

Choose the *correct* answer from the options given below:

[Question ID = 3273][Question Description = 123_162_FLA_SEP22_Q23]

1. A and D only [Option ID = 13089]
2. B and D only [Option ID = 13090]
3. A and C only [Option ID = 13091]
4. A and B only [Option ID = 13092]

24) Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R

Assertion A: Colchicine treatment is the most effective and the most widely used treatment for chromosome doubling in flower crops.

Reason R: Colchicine blocks spindle formation, however, it does not inhibits the movement of sister chromatids to the opposite poles.

In light of the above statements, choose the *most appropriate* answer from the options given below

[Question ID = 3274][Question Description = 124_162_FLA_SEP22_Q24]

1. Both A and R are correct and R is the correct explanation of A [Option ID = 13093]
2. Both A and R are correct but R is NOT the correct explanation of A [Option ID = 13094]
3. A is correct but R is not correct [Option ID = 13095]
4. A is not correct but R is correct [Option ID = 13096]

25) Genetic male sterility is very common in which of the following flower crop?[Question ID = 3275][Question Description = 125_162_FLA_SEP22_Q25]

1. *Callistiphus chinensis* [Option ID = 13097]
2. *Tagetes erecta* [Option ID = 13098]
3. *Gaillardia pulchella* [Option ID = 13099]
4. *Dahlia pinnata* [Option ID = 13100]

26) Match List I with List II

List I	List II
Breeding method	Variety developed
A. Mutation	I. Aplause
B. Hybridization	II. Shobha
C. Genetic engineering	III. Pusa Red Valentine
D. Selection	IV. Push Basanti Gainda

Choose the correct answer from the options given below:

[Question ID = 3276][Question Description = 126_162_FLA_SEP22_Q26]

1. A- IV, B- III, C- I, D- II [Option ID = 13101]
2. A- II, B- IV, C- I, D- III [Option ID = 13102]
3. A- III, B- IV, C- I, D- II [Option ID = 13103]
4. A- II, B- I, C- III, D- IV [Option ID = 13104]

27) Who has developed 'cottage gardens' ?[Question ID = 3277][Question Description = 127_162_FLA_SEP22_Q27]

1. Henry Hoare [Option ID = 13105]
2. William Robinson [Option ID = 13106]
3. Humphrey Repton [Option ID = 13107]
4. Gertrude Jekyll [Option ID = 13108]

28) Which of the following method is used to replace the few unhealthy patches in well maintained lawn?[Question ID = 3278][Question Description = 128_162_FLA_SEP22_Q28]

1. Seeding [Option ID = 13109]
2. Turf plastering [Option ID = 13110]
3. Bricking [Option ID = 13111]
4. Dibbling [Option ID = 13112]

29) Which of the following is a trailing type and fast growing ground cover having small star shaped yellow coloured flowers?[Question ID = 3279][Question Description = 129_162_FLA_SEP22_Q29]

1. *Wadelia trilobata* [Option ID = 13113]
2. *Ophiopogon japonicus* [Option ID = 13114]
3. *Juniperus horizontalis* [Option ID = 13115]
4. *Iresine lindenii* [Option ID = 13116]

30) Given below are two statements

Statement I: Tallness is dominant over dwarf habit in stock plant.

Statement II: Yellow embryo colour is dominant over blue embryo colour in stock plant.

In light of the above statements, choose the *most appropriate* answer from the options given below

[Question ID = 3280][Question Description = 130_162_FLA_SEP22_Q30]

1. Both Statement I and Statement II are correct [Option ID = 13117]
2. Both Statement I and Statement II are incorrect [Option ID = 13118]
3. Statement I is correct but Statement II is incorrect [Option ID = 13119]
4. Statement I is incorrect but Statement II is correct [Option ID = 13120]

31) Which of the following are slow release fertilisers?

- A. Osmocote
- B. MagAmp
- C. Sierra
- D. Captan

Choose the *correct* answer from the options given below:

[Question ID = 3281][Question Description = 131_162_FLA_SEP22_Q31]

1. A, C and D only [Option ID = 13121]
2. A, B and C only [Option ID = 13122]
3. C and D only [Option ID = 13123]
4. A and D only [Option ID = 13124]

32) Which of the following are the important flowering type species of genus *Anthurium*?

- A. *Anthurium andraeanum*
- B. *Anthurium clarinervium*
- C. *Anthurium crystallinum*
- D. *Anthurium scherzerianum*

Choose the *correct* answer from the options given below:

[Question ID = 3282][Question Description = 132_162_FLA_SEP22_Q32]

1. A and C only
[Option ID = 13125]
2. B and D only
[Option ID = 13126]
3. A and D only
[Option ID = 13127]

4. B and C only

[Option ID = 13128]

33) Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R

Assertion A: Ridge and Furrow greenhouses are best oriented in a North–South fashion.

Reason R: North - South oriented greenhouses do NOT eliminate permanent shadows that would be cast by the gutters.

In light of the above statements, choose the *most appropriate* answer from the options given below

[Question ID = 3283][Question Description = 133_162_FLA_SEP22_Q33]

1. Both A and R are correct and R is the correct explanation of A [Option ID = 13129]
2. Both A and R are correct but R is NOT the correct explanation of A [Option ID = 13130]
3. A is correct but R is not correct [Option ID = 13131]
4. A is not correct but R is correct [Option ID = 13132]

34) Which of the following genus of Cacti is having the characteristic feature of formation of a woolly cap or cephalium on the apex when the plants attain flowering size?[Question ID = 3284][Question Description = 134_162_FLA_SEP22_Q34]

1. *Lobivia sp.* [Option ID = 13133]
2. *Melocactus sp.* [Option ID = 13134]
3. *Ferocactus sp.* [Option ID = 13135]
4. *Echinocereus sp.* [Option ID = 13136]

35) Which of the following is stemless tuberous rooted perennial?[Question ID = 3285][Question Description = 135_162_FLA_SEP22_Q35]

1. *Pleomele reflexa* [Option ID = 13137]
2. *Excoecaria bicolor* [Option ID = 13138]
3. *Gynura aurantiaca* [Option ID = 13139]
4. *Curculigo recurvata* [Option ID = 13140]

36) Given below are two statements

Statement I: Chrysanthemum is a facultative short-day plant.

Statement II: Cosmos is an obligate short-day plant.

In light of the above statements, choose the *most appropriate* answer from the options given below

[Question ID = 3286][Question Description = 136_162_FLA_SEP22_Q36]

1. Both Statement I and Statement II are correct [Option ID = 13141]
2. Both Statement I and Statement II are incorrect [Option ID = 13142]
3. Statement I is correct but Statement II is incorrect [Option ID = 13143]
4. Statement I is incorrect but Statement II is correct [Option ID = 13144]

37) Which one of the following is a thornless species of rose?[Question ID = 3287][Question Description = 137_162_FLA_SEP22_Q37]

1. *Rosa banksiae* [Option ID = 13145]
2. *Rosa multiflora* [Option ID = 13146]
3. *Rosa damascena* [Option ID = 13147]
4. *Rosa indica* [Option ID = 13148]

38) Match List I with List II

List I	List II
Greenhouse Design load	Description
A. Dead load	I. Caused by wind velocity
B. Live Load	II. Weight of all material used in greenhouse construction
C. Wind Load	III. Vertical loads applied to horizontal projection of the building roof
D. Snow load	IV. Weight superimposed by use of greenhouse

Choose the correct answer from the options given below:

[Question ID = 3288][Question Description = 138_162_FLA_SEP22_Q38]

1. A- I, B- II, C- III, D- IV [Option ID = 13149]
2. A- IV, B- I, C- III, D- II [Option ID = 13150]
3. A- II, B- IV, C- I, D-III [Option ID = 13151]
4. A- III, B- IV, C- II, D- I [Option ID = 13152]

39) Which of the following is having indeterminate inflorescence?

[Question ID = 3289][Question Description = 139_162_FL_A_SEP22_Q39]

1. *Saintpaulia ionantha* [Option ID = 13153]
2. *Petunia hybrida* [Option ID = 13154]
3. *Mathiola incana* [Option ID = 13155]
4. *Salvia elegans* [Option ID = 13156]

40) What is the sucrose concentration used for pulsing in chrysanthemum for the duration of 16-20 hours?

[Question ID = 3290][Question Description = 140_162_FL_A_SEP22_Q40]

1. 10 percent [Option ID = 13157]
2. 15 percent [Option ID = 13158]
3. 20 percent [Option ID = 13159]
4. 5 percent [Option ID = 13160]

41) Given below are two statements

Statement I: *Lilium kesselringianum* and *Lilium monadelphum* are late flowering species of lilium.

Statement II: *Lilium speciosum* and *Lilium auratum* are early flowering species of lilium.

In light of the above statements, choose the *most appropriate* answer from the options given below

[Question ID = 3291][Question Description = 141_162_FL_A_SEP22_Q41]

1. Both Statement I and Statement II are correct [Option ID = 13161]
2. Both Statement I and Statement II are incorrect [Option ID = 13162]
3. Statement I is correct but Statement II is incorrect [Option ID = 13163]
4. Statement I is incorrect but Statement II is correct [Option ID = 13164]

42) Which of the following trees are having weeping type of growth habit?

A. *Salix babylonica*

B. *Chorisia speciosa*

C. *Plumeria alba*

D. *Callistemon lanceolatus*

Choose the *correct* answer from the options given below:

[Question ID = 3292][Question Description = 142_162_FL_A_SEP22_Q42]

1. B and D only [Option ID = 13165]
2. A and D only [Option ID = 13166]
3. A and C only [Option ID = 13167]
4. C and D only [Option ID = 13168]

43) Which of the following belong to anthocyanin pigments?

A. Petunidin

B. Peonidin

C. Zeaxanthin

D. Malvidin

Choose the *correct* answer from the options given below:

[Question ID = 3293][Question Description = 143_162_FL_A_SEP22_Q43]

1. A, C and D only [Option ID = 13169]
2. B, C and D only [Option ID = 13170]
3. A, B and D only [Option ID = 13171]
4. A and B only [Option ID = 13172]

44) Arrange the following steps of mutation breeding in flower crops?

A. Selection of plant part to be treated.

B. Deciding dose of mutagen and exposing selected plant part to desired mutagen dose.

C. Selection of variety or species for mutagen treatment.

D. Handling of the mutagen treated population.

E. Development of well defined and clear cut objectives.

Choose the *correct* answer from the options given below

[Question ID = 3294][Question Description = 144_162_FLA_SEP22_Q44]

1. A, B, D, E, C [Option ID = 13173]
2. E, C, A, B, D [Option ID = 13174]
3. A, D, B, C, E [Option ID = 13175]
4. D, E, A, C, B [Option ID = 13176]

45) Buddy is a compact dwarf (15 cm) cultivar with long lasting vivid purple flowers of which loose flower crop?

[Question ID = 3295][Question Description = 145_162_FLA_SEP22_Q45]

1. Jasmine [Option ID = 13177]
2. Crossandra [Option ID = 13178]
3. Gaillardia [Option ID = 13179]
4. Gomphrena [Option ID = 13180]

46) Which of the following constitute the largest playable area on golf courses ranging from 30-60 acres or more for 18 holes?[Question ID = 3296][Question Description = 146_162_FLA_SEP22_Q46]

1. Tees [Option ID = 13181]
2. Fairways [Option ID = 13182]
3. Greens [Option ID = 13183]
4. Bunkers [Option ID = 13184]

47) Which of the following is a recommended spacing in barleria ?[Question ID = 3297][Question Description = 147_162_FLA_SEP22_Q47]

1. 3.5 × 3.5 m [Option ID = 13185]
2. 4.5 × 4.5 m [Option ID = 13186]
3. 1.5 × 1.5 m [Option ID = 13187]
4. 5.5 × 5.5 m [Option ID = 13188]

48) Match List I with List II

List I	List II
Climbers	Modified organs
A. <i>Antigonon leptopus</i>	I. Stickers
B. <i>Euphorbia milii</i>	II. Clingers
C. <i>Ficus pumila</i>	III. Tendrils
D. <i>Hydrangea petiolaris</i>	IV. Thorns

Choose the correct answer from the options given below:

[Question ID = 3298][Question Description = 148_162_FLA_SEP22_Q48]

1. A- II, B- III, C- IV, D- I [Option ID = 13189]
2. A- I, B- II, C- III, D- IV [Option ID = 13190]
3. A- IV, B- II, C- I, D- III [Option ID = 13191]
4. A- III, B- IV, C- I, D- II [Option ID = 13192]

49) Which of the following is NOT the component of Rose essential oil?

[Question ID = 3299][Question Description = 149_162_FLA_SEP22_Q49]

1. Citronellol [Option ID = 13193]
2. Geraniol [Option ID = 13194]
3. Limonene [Option ID = 13195]
4. Nonadecane [Option ID = 13196]

50) Which of the following gene is responsible for heat tolerance in *Chrysanthemum morifolium* ?[Question ID = 3300]
[Question Description = 150_162_FLA_SEP22_Q50]

1. *AVP1* gene [Option ID = 13197]
2. *CgHSP70* gene [Option ID = 13198]
3. *PHYA* gene [Option ID = 13199]
4. *LeEXP1* gene [Option ID = 13200]

