PREVIEW QUESTION BANK

Module Name : HORTICULTURE-ENG
Exam Date : 29-Jun-2024 Batch : 10:00-12:00

Sr. No.	Client Question ID	Question Body and Alternatives	Marks	Negative Marks
Objective Question				
1	80001	New National Education Policy (NEP) was launched on 1. 29 July 2020 2. 15 August 2020 3. 26 January 2020 4. 15 August 2021 A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
2	80002	The UN has designated 2024 as the International Year of 1. Camelids 2. Cooperatives 3. Rangelands and Pastoralists 4. Millets A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
3	80003		4.0	1.00

		Nutritional quality of rice (A). Rice alone accounts for 40 % of the protein in Asian diet. (B).In India rice provide 25 % of our protein requirement (C).It is a poor source of protein (6-8%) (D).Among cereal protein, rice protein is biologically the richest Choose the ***correct*** answer from the options given below: 1. (A), (B) and (D) only. 2. (A), (B) and (C) only. 3. (A), (B), (C) and (D). 4. (B), (C) and (D) only. A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
4	80004	Institution Village Linkage Programme (IVLP) was launched during 1. 1987 2. 1995 3. 2000 4. 2005 A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
5	80005	A kitchen garden is having 20 varieties of vegetables and out of these 4 are leafy vegetables. Calculate the probability of getting a leafy vegetable 1. 0.5 2. 0.4 3. 0.2 4. 0.1 A1 : 1	4.0	1.00

		A2 : 2 A3 : 3 A4 : 4		
Objective Question				
6	80006	Carbohydrates that produce two to ten monosacharides units during the hydrolysis are called 1. Oligosaccharides 2. Aldoses 3. Ketoses 4. Polyhydroxy aldehyde A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
7	80007	Which one of the following is not a Spanish bunch variety of ground nut? 1. GJG 9 2. TG 37 A 3. Girnar 3 4. Girnar 2 A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
8	80008		4.0	1.00

Match **List-I** with **List-II**

List-I	**List-II**
Plant Nutrient	**Mobility in soil/ function in plant**
(A). Mn	(I). Highly mobile
(B). Mg	(II). Less mobile
(C). Zn	(III). Immobile
(D). C	(IV). Basic structure

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

1. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
2. (A) - (I), (B) - (III), (C) - (II), (D) - (IV)
3. (A) - (I), (B) - (II), (C) - (IV), (D) - (III)
4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

9	80009	Which is world first semi dwarf, photoperiod insensitive and high yielding rice variety? 1. Pusa RH-10 2. Pusa Basmati-1637 3. Pusa Basmati-1 4. Pusa Basmati-1121 A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question

10	80010		4.0	1.00

		Geographical indication tag (GI tag) in India was enacted during the year? 1. 1990 2. 1993 3. 1996 4. 1999 A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
11	80011	Which phytohormone is regarded as an anti-stress promoter and growth bio-stimulator? 1. Jasmonic acid 2. 1-MCP 3. Melatonin 4. Prohexadione – Ca A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
12	80012	The formula for calculating Gross ratio is? 1. Total expenses/Gross income 2. Fixed expenses/Gross income 3. Operating expenses/Gross income 4. Gross income/Total asset × 100 A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
13	80013		4.0	1.00

		Which of the following is a C4 plant? 1. Rice 2. Wheat 3. Cotton 4. Sugarcane A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
14	80014	The peg formation in groundnut are positively 1. Chemotropic 2. Thigmotropic 3. Geotropic 4. Hydrotropic A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
15	80015	Front line demonstration is an example of which extension teaching method? 1. Individual contact 2. Mass contact 3. Group contact 4. Visual contact A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
16	80016		4.0	1.00

		Given below are two statements: Statement (I):The non deep type is the most common primary dormancy Statement (II): In this type of dormancy species require light or darkness to germinate or chilling stratification In light of the above statements,choose the *most appropriate* answer from the options given below. 1. Both Statement (I) and Statement (II) are true. 2. Both Statement (I) and Statement (II) are false. 3. Statement (I) is true but Statement (II) is false. 4. Statement (I) is false but Statement (II) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
17	80017	Which method of grafting is used for reworking old fruit tree? 1. Whip and tongue 2. Cleft grafting 3. Splice 4. Wedge grafting A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
18	80018	Citrus rootstock which is tolerant to gummosis, root rot, tristeza and drought 1. Karna khatta 2. Cleoptra mandarin 3. Sweet orange 4. Carizzo cittrange A1 : 1 A2 : 2 A3 : 3	4.0	1.00

		A4 : 4		
Objective Question				
19	80019	Given below are two statements: Statement (I): Bringing together two or more genes governing a single trait, especially resistance to disease is known as gene pyramiding Statement II : The use of molecular markers greatly facilitates gene pyramiding as it minimises the need for disease tests and progeny test In light of the above statements, choose the *most appropriate* answer from the options given below. 1. Both Statement (I) and Statement (II) are true. 2. Both Statement (I) and Statement (II) are false. 3. Statement (I) is true but Statement (II) is false. 4. Statement (I) is false but Statement (II) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
20	80020	Which one of the following is not true for varieties developed through mutation? 1. Mango – Rosica from Peruvian variety Rosadodelca 2. Papaya- Pusa Majesty from local type 3. Grape-Marvel Seedless from Delight 4. Banana- High gate from Gros Michel, Motta Poovan from Poovan A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
21	80021	Mango malformation was reported for the first time in the year 1. 1891 2. 1910 3. 1935 4. 1948 A1 : 1	4.0	1.00

		A2 : 2 A3 : 3 A4 : 4		
Objective Question				
22	80022	Polyploidy level of cultivated strawberry 1. Diploid 2. Triploid 3. Octoploid 4. Hexaploid A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
23	80023	Santa Rosa is a variety of 1. American plum 2. European plum 3. Japanese plum 4. Damson plum A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
24	80024	Which of the following fruit have highest TSS? 1. Bael 2. Mango 3. Grapes 4. Sapota A1 : 1	4.0	1.00

		A2 : 2 A3 : 3 A4 : 4		
Objective Question				
25	80025	Best training method in high density peach planting 1. Y trellis 2. Tatura Trellis 3. Head 4. Spindle Bush A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
26	80026	Given below are two statements: Statement (I): Rootstock 110 R restricted uptake of sodium and chloride. Statement (II):While Dog ridge and Salt creek were know to restrict the uptake of chloride only. In light of the above statements,choose the *most appropriate* answer from the options given below. 1. Both Statement (I) and Statement (II) are true. 2. Both Statement (I) and Statement (II) are false. 3. Statement (I) is true but Statement (II) is false. 4. Statement (I) is false but Statement (II) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
27	80027		4.0	1.00

		Mango hybrid Arka Suprabhath is a croos between 1. Amrapali and Arka Anmol 2. Arka Anmol and Amarpali 3. Malika and Langra 4. Kesar and Neelam A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
28	80028	Which of the following is true for essentiality of germination? (A). Viability of seed (B). Proper environment (C). Seed free from dormancy (D). Thin seed coat 1. (A), (B) and (D) only 2. (A) and (C) only 3. (A), (B) and (C) only 4. (A), (C) and (D) only A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
29	80029		4.0	1.00

Match **List-I** with **List-II**

List-I	**List-II**
variety	Fruit Crop
(A). Gulabi	(I). Mango
(B). Phule Arketa	(II).Guava
(C). Chittidar	(III). Pomegranate
(D). Haden	(IV).Grapes

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

1. (A) - (IV), (B) - (III), (C) - (II), (D) - (I)
2. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
3. (A) - (I), (B) - (II), (C) - (IV), (D) - (III)
4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

30 80030 4.0 1.00

Statement I: Mandarins are commonly known as loose skin orange.

Statement II: Hodgson classified mandarins into three groups- Satsuma, King and Willow leaf

1. Both Statement (I) and Statement (II) are true.
2. Both Statement (I) and Statement (II) are false.
3. Statement (I) is true but Statement (II) is false.
4. Statement (I) is false but Statement (II) is true.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

31 80031 4.0 1.00

		Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R). Assertion (A) : In mango for obtaining good flowering one must stop irrigation at least 2-3 months before the flowering period Reason (R) : Water stress is not a mechanism encouraging the formation of mango flowering but it does affect vegetative growth In light of the above statements, choose the *most appropriate* answer from the options given below . 1. Both (A) and (R) are correct and (R) is the correct explanation of (A). 2. Both (A) and (R) are correct but (R) is NOT the correct explanation of (A). 3. (A) is correct but (R) is not correct. 4. (A) is not correct but (R) is correct. A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
32	80032	Given below are two statements: Statement (I):Papaya is a polygamous plant with various sex forms (pistilate, hermaphrodite and staminate) Statement (II): Pistilate form is stable and sex reversal is not affected by environmental factors In light of the above statements, choose the *most appropriate* answer from the options given below. 1. Both Statement (I) and Statement (II) are true. 2. Both Statement (I) and Statement (II) are false. 3. Statement (I) is true but Statement (II) is false. 4. Statement (I) is false but Statement (II) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
33	80033		4.0	1.00

		Superficial rind pitting (A).It is a physiological disorder causing serious damage to Shamouti orange (B).The majority of the symptoms develop 3-5 weeks after harvest (C). Ethylene increases the incidence (D). Storage at 5 ^{0}C increase the incidence Choose the ***correct*** answer from the options given below: 1. (A), (B) and (D) only. 2. (A) and (D) only. 3. (A), (B)and (C). only 4. (B), (C) and (D) only. A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
34	80034	Flame peeling is generally used for 1. Onion and garlic 2. Pea and grains 3. Carrot 4. Pineapple A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
35	80035	As per FPO which of the following is not true for canning of fruits? 1. No preservative shall be added 2. Drained weight not less than 50% 3. The can shall not show any positive pressure at sea level 4. Head space in can should be more than 1.6 cm A1 : 1 A2 : 2	4.0	1.00

		A3 : 3 A4 : 4		
Objective Question				
36	80036	Membrane filtration refers to (A). Separation of soils from liquids (B). A separator is used which could be porous medium or membrane (C).Helps in clarification of juices and separation of microbes (D).Not commonly used in fruit juices, wine and beer Choose the ***correct*** answer from the options given below: 1. (A), (B) and (D) only. 2. (A), (B) and (C) only. 3. (A), (B), (C) and (D). 4. (B), (C) and (D) only. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
37	80037	The moisture content of dried cashew nut should be around 1. 1 % 2. 5 % 3. 10 % 4. 12 % A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
38	80038		4.0	1.00

		For which state Pineapple variety Queen has been declared as a “state fruit”? 1. Manipur 2. Meghalaya 3. Tripura 4. Arunachal Pradesh A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
39	80039	In vegetatively propagated material somatic mutations of spontaneous origin are commonly referred to as 1. Cultivar 2. Variety 3. Bud sports 4. Chimera A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
40	80040	Which Mangifera species can be a good parent for breeding freestone mangoes? 1. *Mangifera sylvatica* 2. *Mangifera similis* 3. *Mangifera nicobarica* 4. *Mangifera caesia* A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
41	80041		4.0	1.00

		Which salt absorbs ethylene effectively during storage of apple? 1. $KMNO_4$ 2. K_2SO_4 3. KCl 4. KNO_3 A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
42	80042	Which plant bio regulator blocks the synthesis of gibberellin? 1. Abscisic acid 2. Ethylene 3. Benzothidiazole 4. Prohexadione-calcium A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
43	80043	To reduce the incidence of fruit fly in mango, bagging of fruits using brown paper is done 1. 30 Days before harvesting 2. 60 Days before harvesting 3. 90 Days before harvesting 4. 120 Days before harvesting A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
44	80044		4.0	1.00

		Which district has been granted GI tag in cashew nut for nut quality? 1. Kasargod, Kerala 2. Puttur, Karnataka 3. Vengurla, Maharashtra 4. Bapatla, Andhra Pradesh A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
45	80045	Various forms of gibberellins are abundant during which stage of fruit development? 1. Stage I 2. Stage II 3. Stage I & Stage II 4. Through out seed development A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
46	80046	Which banana variety is slightly larger than human finger with sweet fragrance and honey like taste? 1. Saba 2. Matti Banana 3. Pacovan 4. Nanicalo A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
47	80047		4.0	1.00

		Papaya Variety Surya is an offspring of? 1. Washington × CO.1 2. CO.1 × Washington 3. CO-2 × Sunrise Solo 4. Sunrise Solo × Pink Flesh Sweet A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
48	80048	Best orientation in single hedge row is? 1. North-South 2. East-West 3. North-East 4. South-East A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
49	80049	Deciduous and extremely freeze hardy true citrus species is 1. *Poncirus* 2. *Eremocitrus* 3. *Microcitrus* 4. *Clymenia* A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
50	80050		4.0	1.00

		In case of epicotyl grafting in mango, healing union stage extends from 1. 30-60 days 2. 60-120 days 3. 120-180 days 4. 180-200 days A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
51	80051	Man made hybrid Tangelos is an interspecific hybrid of 1. *Citrus deliciosa* × *Citrus nobilis* 2. *Citrus sinensis* × *Citrus deliciosa* 3. *Citrus reticulata* × *Citrus paradisi* 4. *Citrus grandis* × *Citrus unshiu* A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
52	80052	Mutation which occurs in one layer or more layers at the top of apex is known as 1. Mericlinal Chimera 2. Periclinal chimera 3. Sectorial chimera 4. Segmented chimera A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
53	80053		4.0	1.00

		Sequence the guava species according to their Synonyms (A) *Psidium cattleianum* var. *longipes* (B) *Psidium cattleianum* var. *lucidum* (C) *Psidium montanum* (D) *Psidium molle* 1. Brazilian guava - Strawberry guava - Mountain guava - Lemon guava 2. Lemon guava -Strawberry guava - Brazilian guava - Mountain guava 3. Strawberry guava - Lemon guava - Mountain guava - Brazilian guava 4. Lemon guava - Mountain guava - Brazilian guava - Strawberry guava A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
54	80054	Sequence the International Banana breeding institutes according to their place (A) IITA (B) EMBRPA (C) CARBAP (D) TBRI 1. Brazil - Taiwan - Nigeria and Uganda - Cameroon 2. Nigeria and Uganda - Taiwan - Brazil - Cameroon 3. Cameroon - Nigeria and Uganda -Taiwan - Brazil 4. Nigeria and Uganda - Brazil - Cameroon - Taiwan A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
55	80055		4.0	1.00

		Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R). Assertion (A) : Combining all desirable character in a single cultivar of mango is difficult Reason (R) : Mango is a homogeneous crop of suspected diploid origin In light of the above statements, choose the *correct* answer from the options given below. 1. Both (A) and (R) are true and (R) is the correct explanation of (A). 2. Both (A) and (R) are true but (R) is NOT the correct explanation of (A). 3. (A) is true but (R) is false. 4. (A) is false but (R) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
56	80056	Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R). Assertion (A) : Veneer grafting and stone grafting are by far the best method of vegetative propagation in mango Reason (R) : Scion stick can be carried to long distances and can keep well for 5-6 days In light of the above statements, choose the *most appropriate* answer from the options given below . 1. Both (A) and (R) are correct and (R) is the correct explanation of (A). 2. Both (A) and (R) are correct but (R) is NOT the correct explanation of (A). 3. (A) is correct but (R) is not correct. 4. (A) is not correct but (R) is correct. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
57	80057		4.0	1.00

		Given below are two statements: Statement (I): Sucking mango cultivars such as Gaurjit and Safeda can be sliced easily Statement (II): These cultivars are small fruited and have high fibre content In light of the above statements,choose the *most appropriate* answer from the options given below. 1. Both Statement (I) and Statement (II) are true. 2. Both Statement (I) and Statement (II) are false. 3. Statement (I) is true but Statement (II) is false. 4. Statement (I) is false but Statement (II) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
58	80058	Given below are two statements: Statement (I): The growth of guava fruits follow a single sigmoid curve Statement (II): The fruits undergo extensive cell division during the first few week immediately following fertilization In light of the above statements,choose the *most appropriate* answer from the options given below. 1. Both Statement (I) and Statement (II) are true. 2. Both Statement (I) and Statement (II) are false. 3. Statement (I) is true but Statement (II) is false. 4. Statement (I) is false but Statement (II) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
59	80059		4.0	1.00

Match **List-I** with **List-II**

List-I	**List-II**
(A). Alphonso	(I). Pulping and Canning
(B). Ramkela	(II). Processing
(C). Mallika	(III). Pickling
(D). Keasar	(IV). Pulping and juice concentrate

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

1. (A) - (I), (B) - (III), (C) - (II), (D) - (IV)
2. (A)- (III), (B) - (IV), (C) - (I), (D) - (II)
3. (A) - (IV), (B) - (II), (C) - (III), (D) - (I)
4. (A) - (II), (B) - (I), (C) - (IV), (D) - (III) .

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

60 80060 4.0 1.00

Match **List-I** with **List-II**

List-I	**List-II**
(A). Banana-Grand Naine	(I). USA
(B). Sweet Orange-Blood red	(II). France
(C). Guava-Beaumount G-35	(III). Philippines
(D). Mango-Carabao	(IV). Australia

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

1. (A) - (I), (B) - (III), (C) - (II), (D) - (IV)
2. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)
3. (A) - (IV), (B) - (II), (C) - (III), (D) - (I)
4. (A) - (II), (B) - (I), (C) - (IV), (D) - (III)

		A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
61	80061	Which of the following is high temperature tolerant variety of cabbage? 1. Pusa Shree 2. Pusa Agrim 3. Pusa Ageti 4. Pusa Drum Head A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
62	80062	Which of the following mechanism favours self-pollination ? 1. Protandry 2. Cleistogamy 3. Protogyny 4. Dioecy A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
63	80063	King of North is the variety of ? 1. Broccoli 2. Knol Khol 3. Celery 4. Parsely A1 : 1	4.0	1.00

A2 : 2

A3 : 3

A4 : 4

Objective Question

64 | 80064 | 4.0 | 1.00

Match **List-I** with **List-II**

List-I	**List-II**
Common name	**Scientific name**
(A). Sword bean	(I). *Trichosanthes anguina*
(B). Ivy gourd	(II). *Vigna unguiculata*
(C). Cowpea	(III). *Coccinia indica*
(D). Snake gourd	(IV). *Canavalia gladiata*

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

1. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
2. (A) - (II), (B) - (I), (C) - (III), (D) - (IV)
3. (A) - (IV), (B) - (III), (C) - (II), (D) - (I)
4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

65 | 80065 | 4.0 | 1.00

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

Assertion (A) :The diploid wild species of potato are self-incompatible due to gametophytic self-incompatibility system.

Reason (R) : A dominant self-incompatibility inhibitor gene (Sli) has been identified in the wild species of *Solanum chacoense*.

In light of the above statements, choose the *correct* answer from the options given below.

1. Both (A) and (R) are true and (R) is the correct explanation of (A).
2. Both (A) and (R) are true but (R) is NOT the correct explanation of (A).
3. (A) is true but (R) is false.
4. (A) is false but (R) is true.

		A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
66	80066	What is the family of Rhubarb ? 1. Apiaceae 2. Euphorbiaceae 3. Convolvulaceae 4. Polygonaceae A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
67	80067	Which of the following is NOT a true indicator of fruit ripening stage of watermelon? 1. Withering of the tendril near the place of fruit attachment 2. Change of ground spot colour of the fruit 3. Dull-thud sound on thumping the fruit 4. Changing in fruit shape A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
68	80068	What is the edible portion of cauliflower ? 1. Modified leaves 2. Modified flowers 3. Modified inflorescence 4. Modified stem A1 : 1	4.0	1.00

		A2 : 2 A3 : 3 A4 : 4		
Objective Question				
69	80069	The bitterness in colocasia corms is due to 1. Calcium chloride 2. Calcium oxalate 3. Calcium carbonate 4. Potassium oxalate A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
70	80070	Red colour of beet root is due to 1. Carotene 2. Xanthophyll 3. Anthocyanin 4. Chlorophyll-b A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
71	80071		4.0	1.00

Match **List-I** with **List-II**

List-I	List-II
Vegetables	**Disorder**
(A). Bean	(I). Tip burn
(B). Cabbage	(II). Hypocotyl necrosis
(C). Celery	(III). Internal tip burn
(D). Lettuce	(IV). Black heart

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

1. (A) - (II), (B) - (III), (C) - (IV), (D) - (I)
2. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
3. (A) - (II), (B) - (III), (C) - (I), (D) - (IV)
4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

72 | 80072 | 4.0 | 1.00

Which of the following is NOT a round fruited variety of Brinjal?

1. Arka Shirish
2. Pusa Bhairav
3. Punjab Sadabahar
4. Pant Rituraj

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

73 | 80073 | 4.0 | 1.00

		Given below are two statements: Statement (I): Heat tolerant tropical cauliflowers show significantly high level of self-incompatibility. Statement (II):The European annual or snowball types are basically self-compatible in nature. In light of the above statements,choose the *most appropriate* answer from the options given below. 1. Both Statement (I) and Statement (II) are true. 2. Both Statement (I) and Statement (II) are false. 3. Statement (I) is true but Statement (II) is false. 4. Statement (I) is false but Statement (II) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
74	80074	Which of the following variety of chilli is suitable for colour extraction ? 1. Arka Abir 2. KTPL- 91 3. CH-3 4. Punjab Lal A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
75	80075	Which of the following vine cutting method is widely followed in pointed gourd propagation? 1. Lachhi method 2. Moist lump method 3. Ring method 4. Straight vine method A1 : 1 A2 : 2 A3 : 3	4.0	1.00

		A4 : 4		
Objective Question				
76	80076	Which of the following shows very high inbreeding depression on selfing? 1. Spine gourd 2. Lettuce 3. Carrot 4. Pea A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
77	80077	What is the somatic chromosome number of Elephant foot yam? 1. 2n = 2x= 26 2. 2n= 2x= 36 3. 2n= 4x= 26 4. 2n= 4x=36 A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
78	80078		4.0	1.00

Match **List-I** with **List-II**

List-I	**List-II**
Disease	**Vegetable crop**
(A). Purple blotch	(I). Garlic
(B). Black rot	(II). Cauliflower
(C). Anthracnose	(III). Chilli
(D). Powdery mildew	(IV). Pea

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

1. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
2. (A) - (II), (B) - (III), (C) - (I), (D) - (IV)
3. (A) - (III), (B) - (II), (C) - (I), (D) - (IV)
4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

79	80079	What is the ideal seed rate for okra for rainy season crop? 1. 18-22 kg/ha 2. 8-10 kg/ha 3. 4-6 kg/ha 4. 16-18 kg/ha A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question

80	80080		4.0	1.00

Match **List-I** with **List-II**

List-I	**List-II**
Vegetable crop	**Minimum Isolation distance (m) for foundation seed**
(A) Cauliflower	(I). 400
(B). Onion	(II). 200
(C). Okra	(III). 1600
(D). Brinjal	(IV). 1000

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

1. (A) - (III), (B) - (IV), (C) - (II), (D) - (I)
2. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
3. (A) - (I), (B) - (II), (C) - (IV), (D) - (III)
4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

81 | 80081 | 4.0 | 1.00

Utkal Mayuri is the variety of

1. Vegetable Pea
2. Vegetable Amaranth
3. Vegetable Soybean
4. Vegetable pigeon pea

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

82 | 80082 | 4.0 | 1.00

		Calculate the quantity of fertilizer required for making a 100 ppm solution of 20-10-20 in a 500 litre tank ? 1. 150 g 2. 250 g 3. 350 g 4. 500 g A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
83	80083	Given below are two statements: Statement (I): Kashi Bhairav is a F1 hybrid of Brinjal. Statement (II): Shitla Jyoti is a F1 hybrid of watermelon In light of the above statements,choose the *most appropriate* answer from the options given below. 1. Both Statement (I) and Statement (II) are true. 2. Both Statement (I) and Statement (II) are false. 3. Statement (I) is true but Statement (II) is false. 4. Statement (I) is false but Statement (II) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
84	80084	What is the approximately average protein content (on dry weight basis) in potato ? 1. 5 % 2. 10 % 3. 15 % 4. 20 % A1 : 1 A2 : 2 A3 : 3	4.0	1.00

		A4 : 4		
Objective Question				
85	80085	Given below are two statements: Statement (I): The typical vegetable cowpea has higher polysaccharides : monosaccharide ratio. Statement (II): Amino acid profile particularly lycin, leucin and phenylalanine contents are relatively high in cowpea. In light of the above statements,choose the *most appropriate* answer from the options given below. 1. Both Statement (I) and Statement (II) are true. 2. Both Statement (I) and Statement (II) are false. 3. Statement (I) is true but Statement (II) is false. 4. Statement (I) is false but Statement (II) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
86	80086	The pungency of onion is due to 1. Allyl propyl disulphide 2. Quercetin 3. Sinigrin 4. Khudioxidase A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
87	80087	Which of the following factor is NOT favourable for induction of staminate flowers in Watermelon ? 1. Excessive nitrogen application 2. High temperature condition 3. Long day length 4. Application of ethrel@150 ppm A1 : 1 A2 : 2	4.0	1.00

		A3 : 3 A4 : 4		
Objective Question				
88	80088	The following statements about onion are given below (A). Temperature is comparatively more important for bulb formation (B). Photoperiod is more important for flowering (C). Long day onion varieties do not bulb under short day conditions (D). Genetic constitution of the male sterility maintainer is Nmsms. Choose the ***correct*** answer from the options given below: 1. (A), (B) and (D) only. 2. (A) and (D) only. 3. (A), (B), (C) and (D). 4. (C) and (D) only. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
89	80089	Little leaf disease of brinjal is transmitted by 1. Leafhoper 2. White fly 3. Thrips 4. Mites A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
90	80090		4.0	1.00

		Given below are two statements: Statement (I): In vegetable crops, luxury consumption of potassium is a very common feature. Statement (II): Potassium is more mobile than nitrogen fertilizers. In light of the above statements,choose the *most appropriate* answer from the options given below. 1. Both Statement (I) and Statement (II) are true. 2. Both Statement (I) and Statement (II) are false. 3. Statement (I) is true but Statement (II) is false. 4. Statement (I) is false but Statement (II) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
91	80091	Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R). Assertion (A) : Tuberization in sweet potato is almost absent at 75 % shade and severely affected at 55 % and not much affected at 25 % shade. Reason (R) : Warm sunny days and cool nights are favourable for better tuber development in sweet potato. In light of the above statements, choose the *correct* answer from the options given below. 1. Both (A) and (R) are true and (R) is the correct explanation of (A). 2. Both (A) and (R) are true but (R) is NOT the correct explanation of (A). 3. (A) is true but (R) is false. 4. (A) is false but (R) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
92	80092		4.0	1.00

		The following statements are given for Brinjal (A). Pigmented purple coloured brinjal contains more vitamin C than green (B). Copper and polyphenol oxidase activity are highest in purple colour fruits (C). Fe and Catalase are lowest in green Brinjal (D). Bitterness of fruits is due to presence of solasodin Choose the ***correct*** answer from the options given below: 1. (A), (B) and (C) only. 2. (A), (B) and (D) only. 3. (A), (B), (C) and (D). 4. (B), (C) and (D) only. A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
93	80093	Which of the following is NOT a frost tolerant species of potato ? 1. *Solanum acaule* 2. *Solanum vernei* 3. *Solanum commersonii* 4. *Solanum tuberosum* A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
94	80094	Which of the following vegetable crop has brown anther type and petaloid type male sterility? 1. Onion 2. Cabbage 3. Carrot 4. Radish A1 : 1 A2 : 2	4.0	1.00

A3 : 3

A4 : 4

Objective Question

95 80095 4.0 1.00

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

Assertion (A) : Sweet potato is highly heterozygous with out-breeding habit.

Reason (R) : Self-incompatibility is evident in different sweet potato cultivars.

In light of the above statements, choose the *correct* answer from the options given below.

1. Both (A) and (R) are true and (R) is the correct explanation of (A).
2. Both (A) and (R) are true but (R) is NOT the correct explanation of (A).
3. (A) is true but (R) is false.
4. (A) is false but (R) is true.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

96 80096 4.0 1.00

Match **List-I** with **List-II**

List-I	**List-II**
Flower crop	Basic chromosome No.
(A). Carnation	(I). X= 9
(B). Chrysanthemum	(II). X= 15
(C). Tuberose	(III). X= 19
(D). Dendrobium	(IV). X= 30

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

1. (A)- (IV), (B) -(III), (C)- (II), (D)- (I)
2. (A)- (II), (B)- (I), (C)-(IV), (D)-(III)
3. (A)- (I), (B)- (II), (C)-(IV), (D)- (III)
4. (A)- (III), (B) -(I), (C)- (IV), (D)-(II)

A1 : 1

		A2 : 2 A3 : 3 A4 : 4		
Objective Question				
97	80097	Which of the following tree is mentioned in *Atharva Veda*? 1. *Terminalia arjuna* 2. *Ficus religiosa* 3. *Cassia fistula* 4. *Shorea robusta* A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
98	80098	Which of the following creeper occupied a prominent place in the play *'Sakuntala'* written by Kalidasa during the rule of Chandragupta II? 1. *Hiptage madablota* 2. *Adenocalymma alliaceum* 3. *Clerodendrum splendens* 4. *Quisqualis indica* A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
99	80099	Who has completed the garden at Amber fort, Jaipur, Rajasthan? 1. Nawab Wajid Ali Shah 2. Raja Jai Singh II 3. Raja Abhai Singh 4. Sher Shah Suri A1 : 1 A2 : 2	4.0	1.00

		A3 : 3 A4 : 4		
Objective Question				
100	80100	Which of the following rose cultivars were developed through induced mutation? (A). Abhisarika (B). Pusa Alpana (C). Madhosh (D). Rose Sherbet Choose the ***correct*** answer from the options given below: 1. (A) and (B) only. 2. (B) and (C) only. 3. (A) and (C) only. 4. (A) and (D) only. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
101	80101	Which of the following annuals can grow luxuriantly and produce flowers under high temperature? (A). Zinnia (B). Gaillardia (C). Gomphrena (D). Sweet william Choose the ***correct*** answer from the options given below: 1. (A) and (B) only. 2. (B) and (D) only. 3. (A), (B) and (C) only. 4. (A) and (D) only. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question				
102	80102	Given below are two statements: Statement (I): Garden suburbs are nothing but satellite townships developed among parks and avenues. Statement (II): In the old congested cities, bio-aesthetic planning can be achieved by developing garden suburbs on the outskirts of the city easily approachable by vehicles. In light of the above statements,choose the *most appropriate* answer from the options given below. 1. Both Statement (I) and Statement (II) are true. 2. Both Statement (I) and Statement (II) are false. 3. Statement (I) is true but Statement (II) is false. 4. Statement (I) is false but Statement (II) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
103	80103	Which of the following architect has given the concept of bio-aesthetic planning? 1. Le Corbusier 2. Pierre Jeanneret 3. Pro. Lancelot Hogben 4. Dr. G S Randhawa A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
104	80104		4.0	1.00

		Which of the following annuals require the isolation distance of 50-100 meters for seed production? (A). Antirrhinum (B). Marigold (C). Larkspur (D). Nasturtium Choose the ***correct*** answer from the options given below: 1. (A), (B) and (C) only. 2. (A) and (C) only. 3. (B), (C) and (D) only. 4. (A) and (D) only. A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
105	80105	Given below are two statements: Statement (I): Lawn grass, *Cynodon dactylon* L. is most widely used on lawn, roadsides, parks, school ground, playgrounds, golf courses and other areas where a close mown dense turf is required. Statement (II): *Cynodon dactylon* L., *Stenotaphrum secundatum* and *Paspalum notatum* are cool season grasses and highly suitable for lawn making in cool areas. In light of the above statements,choose the *most appropriate* answer from the options given below. 1. Both Statement (I) and Statement (II) are true. 2. Both Statement (I) and Statement (II) are false. 3. Statement (I) is true but Statement (II) is false. 4. Statement (I) is false but Statement (II) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
106	80106		4.0	1.00

		Which of the following is a cool season lawn/turfgrass? 1. *Lolium perene* 2. *Zoysia japonica* 3. *Paspalum vaginatum* 4. *Buchloe dactyloides* A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
107	80107	The superiority of an F_1 hybrid over both of its parents in terms of yield or some other characters is known as 1. Mutation 2. Polyploidy 3. Luxuriance 4. Heterosis A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
108	80108	Which of the following varieties belong to standard carnation? (A). Lavender Lace (B). Cherry Bag (C). White Giant (D). Pink Beam Choose the ***correct*** answer from the options given below: 1. (A), (B) and (C) only. 2. (A) and (C) only. 3. (B) and (D) only. 4. (A) and (D) only. A1 : 1 A2 : 2	4.0	1.00

A3 : 3

A4 : 4

Objective Question

109 80109 4.0 1.00

Match **List-I** with **List-II**

List-I	**List-II**
Tree	**Scientific name**
(A). Geranium tree	(I). *Butea monosperma*
(B). Flame of the forest	(II). *Bauhinia purpurea*
(C). Bottle Brush	(III). *Lagerstroemia flosreginae*
(D). Pride of India	(IV). *Callistemon lanceolatus*

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

1. (A)- (IV), (B) -(III), (C)- (II), (D)- (I)
2. (A)- (II), (B)- (I), (C)-(IV), (D)-(III)
3. (A)- (I), (B)- (II), (C)-(IV), (D)- (III)
4. (A)- (III), (B) -(IV), (C)- (I), (D)-(II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

110 80110 4.0 1.00

Which of the following researcher has first described gametophytic system of self-incompatibility?

1. East and Mangelsdorf (1925)
2. Hughes and Babcock (1950)
3. Lewis (1954)
4. Gerstel (1950)

A1 : 1

A2 : 2

A3 : 3

		A4 : 4		
Objective Question				
111	80111	Which of the following is characterized by non functional pollen grains, while female gametes function normally? 1. Self-incompatibility 2. Male sterility 3. Pure line 4. Pedigree A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
112	80112	Given below are two statements: Statement (I): A soft or cool harmony can be achieved by using blue colours available in sweet pea, China asters and petunias. Statement (II): A warm harmony can be achieved by using yellow antirrhinum with orange dimorphotheca or yellow marigold with orange antirrhinum In light of the above statements,choose the *most appropriate* answer from the options given below. 1. Both Statement (I) and Statement (II) are true. 2. Both Statement (I) and Statement (II) are false. 3. Statement (I) is true but Statement (II) is false. 4. Statement (I) is false but Statement (II) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
113	80113		4.0	1.00

		Which of the following chrysanthemum varieties are suitable for growing as pot mums? (A). Pusa Sona (B). Tata Century (C). Snow Ball (D). Sadbhavana Choose the ***correct*** answer from the options given below: 1. (A), (B) and (C) only. 2. (A) and (C) only. 3. (B) and (D) only. 4. (A) and (D) only. A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
114	80114	Shrubs or trees planted at regular intervals to form a continuous screen is called as 1. Edge 2. Hedge 3. Arches 4. Pergola A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
115	80115	Terrace and running water are the main features of which of the following garden? 1. English garden 2. Japanese garden 3. Mughal garden 4. Persian garden A1 : 1 A2 : 2	4.0	1.00

		A3 : 3 A4 : 4		
Objective Question				
116	80116	Which of the following genera belong to marginal plants and suitable for planting in water gardens? (A). *Azolla caroliniana* (B). *Acorus calamus* (C). *Cyperus alternifolius* (D). *Elodea canadensis* Choose the ***correct*** answer from the options given below: 1. (A) and (C) only. 2. (A) and (D) only. 3. (B) and (C) only. 4. (C) and (D) only. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
117	80117	Arrange the following steps involved in hybridization of rose flower crop in correct orders? (A). Emasculation of flowers of female parents. (B). Pollination (C). Harvesting and storing of F_1 seeds (D). Bagging and tagging (E). Choice and evaluation of pollen and female parents. Choose the **correct** answer from the options given below: 1. (C), (D), (E), (B), (A). 2. (E), (A), (D), (B), (C). 3. (A), (D), (E), (C), (B). 4. (C), (B), (E), (A), (D). A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question

118	80118	Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R). Assertion (A) : Over watering is very harmful to chrysanthemum plants, hence proper drainage in the field and pots should be maintained for commercial cultivation. Reason (R) : Over watering causes yellowing of leaves and mortality of chrysanthemum plants due to insufficient supply of oxygen for root respiration resulting in rotting of roots. In light of the above statements, choose the *most appropriate* answer from the options given below. 1. Both (A) and (R) are correct and (R) is the correct explanation of (A). 2. Both (A) and (R) are correct but (R) is NOT the correct explanation of (A). 3. (A) is correct but (R) is not correct. 4. (A) is not correct but (R) is correct. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question

119	80119	Arrange the following steps of mass selection method of flower crop improvement in correct sequence? (A). Selection of plants with similar but desirable traits from variable population. (B). Planting of composite seeds in preliminary yield trials and evaluation of phenotype of selected population. (C). Evaluation of promising selections in coordinated yield trials at multi-locations. (D). Compositing of seeds from selected plants. (E). Seed multiplication of outstanding selection for distribution. Choose the **correct** answer from the options given below: 1. (C), (D), (E), (B), (A). 2. (A), (D), (C), (B), (E). 3. (A), (D), (B), (C), (E). 4. (C), (B), (E), (A), (D). A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question

120	80120		4.0	1.00

Which of the following genera belong to warm orchids?

(A). *Cymbidium*

(B). *Phalaenopsis*

(C). *Miltonia*

(D). *Dendrobium*

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

1. (A) and (B) only.
2. (A), (C) and (D) only.
3. (B) and (C) only.
4. (B) and (D) only.

A1 : 1

A2 : 2

A3 : 3

A4 : 4