

ICAR 20-SEP-2022
(Candidate Response Sheet)

Roll Number	
Name of the Candidate	
Examination Name	HORTICULTURE ICAR SEPT 2022
Exam Date & Time	20-09-2022 09:00:00

Subject : 08 HORTICULTURE_PG

Question ID:- 497

Which one of the following is a dioecious mutant of papaya?

Options:-

- Solo, Option ID :- 1985,
- Pusa Nanha, Option ID :- 1986,
- Co 5, Option ID :- 1987,
- Co 7, Option ID :- 1988,

Answer Given:- Pusa Nanha, Option ID : -1986

Question ID:- 545

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

Assertion A: High rainfall and long photoperiod promote vine growth and reduce the tuber yield of sweet potato.

Reason R: Temperature less than 25 °C was found critical for tuberization in sweet potato.

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

Options:-

- Both A and R are correct and R is the correct explanation of A, Option ID :- 2177,
- Both A and R are correct but R is NOT the correct explanation of A, Option ID :- 2178,
- A is correct but R is not correct, Option ID :- 2179,
- A is not correct but R is correct, Option ID :- 2180,

Answer Given:- A is correct but R is not correct, Option ID : -2179

Question ID:- 511

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

Assertion A: In monocot plants Grafting is difficult with low percentage of takes as compared to dicots.

Reason R: Monocots have vascular bundle scattered throughout the stem as compared to dicots.

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

Options:-

- Both A and R are true and R is the correct explanation of A, Option ID :- 2041,
 - Both A and R are true but R is NOT the correct explanation of A, Option ID :- 2042,
 - A is true but R is false, Option ID :- 2043,
 - A is false but R is true, Option ID :- 2044,
- Answer Given:- A is true but R is false, Option ID : -2043

Question ID:- 593
Which of the following gladiolus cultivars were developed through spontaneous mutation?

A. Pusa Manmohak

B. Salman’s Sensation

C. Ratna’s Butterfly

D. Gunjan

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

- Options:-
- A and B only, Option ID :- 2369,
 - A and C only, Option ID :- 2370,
 - B and C only, Option ID :- 2371,
 - A and D only, Option ID :- 2372,
- Answer Given:- Not Attempted

Question ID:- 562
Dr. Puskarnath is associated to

- Options:-
- Tomato breeding, Option ID :- 2245,
 - Potato breeding, Option ID :- 2246,
 - Okra breeding, Option ID :- 2247,
 - Cucurbit breeding, Option ID :- 2248,
- Answer Given:- Potato breeding, Option ID : -2246

- Question ID:- 550
What is the main cause of appearance of gold colour flecks on tomato fruits?
- Options:-
- Low K: Ca ratio, Option ID :- 2197,
 - High Mg content, Option ID :- 2198,
 - High EC level, Option ID :- 2199,
 - Low Boron content, Option ID :- 2200,
- Answer Given:- Low K: Ca ratio, Option ID : -2197

Question ID:- 560
Match List I with List II

List I	List II
Vegetable Crop	Minimim soil temperature requirement for seed

	germination
A. Brinjal	I. 1.6 °C
B. Cauliflower	II. 10 °C
C. Onion	III. 4.4 °C
D. Palak	IV. 15.5 °C

Choose the correct answer from the options given below:

Options:-

- A - II, B - I, C - III, D - IV, Option ID :- 2237,
- A - IV, B - III, C - I, D - II, Option ID :- 2238,
- A - IV, B - II, C - III, D - I, Option ID :- 2239,
- A - II, B - III, C - IV, D - I, Option ID :- 2240,

Answer Given:- Not Attempted

Question ID:- 482

The first stable product of C₃ pathway is

Options:-

- Phosphoglycerate , Option ID :- 1925,
- Oxaloacetate , Option ID :- 1926,
- Pyruvic acid , Option ID :- 1927,
- Malate dehydrogenase , Option ID :- 1928,

Answer Given:- Pyruvic acid , Option ID : -1927

Question ID:- 509

Sequence the Agri export zone according to the fruit.

- A. Tripura and West Bengal
- B. Maharashtra & Gujarat
- C. Maharashtra
- D. Chittoor
- E. Tamil Nadu

Choose the correct answer from the options given below

Options:-

- Kesar Mango-Mango Pulp-Grape-Cashewnut-Pineapple, Option ID :- 2033,
- Pineapple-Kesar Mango-Grape-Mango Pulp-Cashewnut, Option ID :- 2034,
- Pineapple-Cashewnut-Mango Pulp-Kesar Mango-Grape, Option ID :- 2035,
- Grape-Pineapple-Kesar Mango-Cashewnut-Mango Pulp, Option ID :- 2036,

Answer Given:- Pineapple-Kesar Mango-Grape-Mango Pulp-Cashewnut, Option ID : -2034

Question ID:- 486

High yielding varieties programme was initially started with

Options:-

- 100 districts in country during 1965-66, Option ID :- 1941,

the country during 1970-71, Option ID :- 1942,
Punjab and Haryana during 1965-66, Option ID :- 1943,
the country during 1965-66, Option ID :- 1944,
district of Punjab and Haryana during 1965-66, Option ID : -1943

List II with the related term

	List II
Loss from mango fruit	I. Verasion
Shading in grape	II. Verdelli
Cracking of lemon under water stress	III. Desapping
Red heart emergence in pineapple	IV. Red Heart

Choose the correct answer from the options given below:

- A - IV, Option ID :- 2069,
- B - III, Option ID :- 2070,
- C - IV, Option ID :- 2071,
- D - I, Option ID :- 2072,
- E - III, B - I, C - II, D - IV, Option ID : -2071

Which of the following breeding are as given below:

- A. Specific combining ability effects
- B. Lines in isolation and allowing random mating
- C. Inbred lines
- D. Out 5 inbred lines basis of higher sca effects
- E. Advantage of synthetics over varieties

Choose the correct answer from the options given below

- A. Option ID :- 2233,
- B. Option ID :- 2234,
- C. Option ID :- 2235,
- D. Option ID :- 2236,
- E. C, B, D, E, Option ID : -2234

Which of the following is the most common rootstock for budding in rose under North Indian

- A. Option ID :- 2361,

odorata, Option ID :- 2364,
sa indica var. odorata, Option ID : -2364

ving mushroom is still dominating (more than 85 % share) the Indian
ry?

, Option ID :- 2273,
, Option ID :- 2274,
ea, Option ID :- 2275,
Option ID :- 2276,
aricus bisporus, Option ID : -2273

ible for preparing Monukka

Option ID :- 2121,
Option ID :- 2122,
D :- 2123,
, Option ID :- 2124,
rlette, Option ID : -2123

ving new curcuminoid has been isolated from nematocidally active fraction of

nin , Option ID :- 2281,
e , Option ID :- 2282,
rcumin , Option ID :- 2283,
Option ID :- 2284,
cloturcumin , Option ID : -2284

ving gardens are laid out on the pattern of Mughal gardens?

van garden, New Delhi

Park, New Delhi

, Jodhpur

shmir

answer from the options given below:

tion ID :- 2382,
tion ID :- 2383,
tion ID :- 2384,
and D only, Option ID : -2382

after planting the ginger crop is ready for harvesting ?

- 2213,
- 2214,
:- 2215,
2216,
, Option ID : -2216

ro statements

na develops deep root system to trap water and nutrients from the lower profile

n and drainage are therefore important factors while selecting soil for Banana

re statements, choose the *most appropriate* answer from the options given

and Statement II are correct, Option ID :- 2061,
and Statement II are incorrect, Option ID :- 2062,
rrect but Statement II is incorrect, Option ID :- 2063,
orrect but Statement II is correct, Option ID :- 2064,
atement I is incorrect but Statement II is correct, Option ID : -2064

ro statements

iculite is heat expanded mica which is main ingredients in rooting medium.

te is heavy rock material and easily sedimented during mixing in growing

re statements, choose the *correct* answer from the options given below

and Statement II are true, Option ID :- 2265,
and Statement II are false, Option ID :- 2266,
re but Statement II is false, Option ID :- 2267,
lse but Statement II is true, Option ID :- 2268,
atement I is false but Statement II is true, Option ID : -2268

med flowers and browning of throat are major disorders of orchids.
Disorders of orchids occur due to low temperature and chilling injury.
The statements, choose the *most appropriate* answer from the options given

correct but R is NOT the correct explanation of A, Option ID :- 2365,
correct and R is the correct explanation of A, Option ID :- 2366,
it is not correct, Option ID :- 2367,
but R is correct, Option ID :- 2368,
both A and R are correct and R is the correct explanation of A, Option ID : -2366

Which plants are thorny during juvenile phase

Choose the answer from the options given below:

Option ID :- 2105,
Option ID :- 2106,
:- 2107,
Option ID :- 2108,
only, Option ID : -2107

Two statements, one is labelled as Assertion A and the other is labelled as Reason R.
Whip tail physiological disorder is caused due to molybdenum deficiency in plants.
Prevalence of whip tail disorder particularly in the soil pH above 5.5.
The statements, choose the *most appropriate* answer from the options given

correct and R is the correct explanation of A, Option ID :- 2225,
correct but R is NOT the correct explanation of A, Option ID :- 2226,
it is not correct, Option ID :- 2227,
but R is correct, Option ID :- 2228

ist II

	List II
	Basic chromosome number
	I. X= 9
	II. X = 30
	III. X = 15
n	IV. X= 12

t answer from the options given below:

- D - III, Option ID :- 2353,
- II, D - I, Option ID :- 2354,
- I, D - II, Option ID :- 2355,
- V, D - I, Option ID :- 2356,
- II, B - III, C - IV, D - I, Option ID : -2356

than 20 Kg/ ha. phosphorous are rated as

- D :- 1921,
- ion ID :- 1922,
- ID :- 1923,
- tion ID :- 1924,
- edium in P, Option ID : -1922

ro statements

nera is a mixture of tissues of genetically different constitutions on the same

differences usually arise due to irregular meiosis.

ve statements, choose the *most appropriate* answer from the options given

- and Statement II are correct, Option ID :- 2037,
- and Statement II are incorrect, Option ID :- 2038,
- rrect but Statement II is incorrect, Option ID :- 2039,
- orrect but Statement II is correct, Option ID :- 2040,
- atement I is correct but Statement II is incorrect, Option ID : -2039

ommon in citrus except

Answer from the options given below:

- Option ID :- 2117,
- Option ID :- 2118,
- Option ID :- 2119,
- Option ID :- 2120,
- and B only , Option ID : -2120

List II

	List II
	Features
	I. Filler Plant
	II. Originated from Israel
ing	III.15 % more plant than square system
	IV. Plant spacing varies

Answer from the options given below:

- D - IV, Option ID :- 1997,
- , D - IV, Option ID :- 1998,
- /, D - II, Option ID :- 1999,
- II, D - I, Option ID :- 2000,
- III, B - I, C - II, D - IV, Option ID : -1997

Which pineapple variety belong to Cayenne group?

hild

Answer from the options given below:

- Option ID :- 2145,
- Option ID :- 2146,

Ma Peetamber is a cross between

- Option ID :- 2025,
- Option ID :- 2026,
- Option ID :- 2027,
- Option ID :- 2028,
- Option ID :- 2028

Order with their respective fruits

Answer from the options given below

- Option ID :- 2057,
- Option ID :- 2058,
- Option ID :- 2059,
- Option ID :- 2060,
- Option ID :- 2060

Which climber possesses special structure- tendrils to climb over a support?

- Option ID :- 2341,
- Option ID :- 2342,
- Option ID :- 2343,
- Option ID :- 2344,
- Option ID :- 2344

Effect of allelochemical and competition of weed with crop, is known as

- Option ID :- 1945,
- Option ID :- 1946,
- Option ID :- 1947,
- Option ID :- 1948,
- Option ID :- 1947

Two statements, one is labelled as Assertion A and the other is labelled as

helps during water stress

is a role in stomatal closing

For the statements, choose the *correct* answer from the options given below

A is true and R is the correct explanation of A, Option ID :- 2089,

A is true but R is NOT the correct explanation of A, Option ID :- 2090,

A is false, Option ID :- 2091,

A is true, Option ID :- 2092,

Both A and R are true and R is the correct explanation of A, Option ID : -2089

Two statements

I: Seeds of subtropical fruits like mango and subtropical fruits like citrus germinate easily after extraction from the fruits under favourable conditions of moisture, temperature

II: However, the seeds extracted from temperate fruits like apple, pear and peach do not germinate immediately even the seed is viable and conditions for germination are favourable

For the statements, choose the *correct* answer from the options given below

Both Statement I and Statement II are true, Option ID :- 2141,

Both Statement I and Statement II are false, Option ID :- 2142,

Statement I is true but Statement II is false, Option ID :- 2143,

Statement I is false but Statement II is true, Option ID :- 2144,

Both Statement I and Statement II are true, Option ID : -2141

Which wild cucumber has highest level of cucurbitacins?

A. *Cucurbita pepo*, Option ID :- 2289,

B. *Cucurbita maxima*, Option ID :- 2290,

C. *Cucurbita melon*, Option ID :- 2291,

D. *Cucurbita citrullus*, Option ID :- 2292,

Correct Answer: Option D :- 2292, Cucurbita citrullus

Which of the following trees are grown for their ornamental foliage?

A. *Albizia*

Answer from the options given below:

Option ID :- 2349,

Option ID :- 2350,

Option ID :- 2351,

Option ID :- 2352,

Correct Answer: Option ID :- 2352

Which of the following turf grasses are used to develop a lawn in cooler areas of India?

A. *Poa annua*

B. *Festuca lucida*

C. *Imperata cylindrica*

Answer from the options given below:

Option ID :- 2333,

Option ID :- 2334,

Option ID :- 2335,

Option ID :- 2336,

Correct Answer: Option ID :- 2334

Which of the following radishes including the rat-tail evolved in

A. *Western region*, Option ID :- 2189,

B. *Central region*, Option ID :- 2190,

C. *Eastern region*, Option ID :- 2191,

D. *North eastern region*, Option ID :- 2192,

Correct Answer: Option ID :- 2190

Two statements, one is labelled as Assertion A and the other is labelled as

Reason R. Mango peels show colour variation from green to greenish yellow, yellow red to

orange due to the concentrated action of pectin

Choose the correct answer from the options given below

A. Both A and R are true and R is the correct explanation of A, Option ID :- 2077,

s true, Option ID :- 2080,
s true but R is false, Option ID : -2079

ist II

	List II
	Author
of Horticulture	I. B. S. Chudawat
	II. M.R. Dinesh
n in India	III. Jitender Singh
lture	IV. W. S. Dhillon
	V. Amar Singh

t answer from the options given below:

/, D - I, Option ID :- 2149,
, D - IV, Option ID :- 2150,
, D - IV, Option ID :- 2151,
V, D - I, Option ID :- 2152,
t Attempted

ving is NOT a desirable trait for mechanical harvesting of pickling cucumber?

t size, Option ID :- 2257,
ption ID :- 2258,
bit, Option ID :- 2259,
| length, Option ID :- 2260,
ort inter-nodal length, Option ID : -2260

are dominated by

ption ID :- 1957,
)ption ID :- 1958,
umus, Option ID :- 1959,
tibles, Option ID :- 1960,
neral matter, Option ID : -1957

ving is a new scientific name of *Polianthes tuberosa*?

Option ID :- 2377,

a, Option ID :- 2380,
[t Attempted](#)

hat has got Geographical Indication Status

:- 2013,
n ID :- 2014,
2015,
ion ID :- 2016,
[t Attempted](#)

iquant and bitter taste is due to the presence of

n ID :- 2209,
on ID :- 2210,
n ID :- 2211,
on ID :- 2212,
[ivonoids, Option ID : -2209](#)

ving pigment is responsible for blue colour of flowers?

tion ID :- 2309,
i ID :- 2310,
ion ID :- 2311,
:- 2312,
[lphinidin , Option ID : -2311](#)

ultivars for high hills of Himachal Pradesh are

! answer from the options given below:

ption ID :- 2049,
Option ID :- 2050,
Option ID :- 2051,
Option ID :- 2052,
[t Attempted](#)

plants of spinach are identified on the basis of
chlorophyll and carotenoids in female plants, Option ID :- 2229,
chlorophyll and carotenoids in male plants, Option ID :- 2230,
maturation in male plants, Option ID :- 2231,
maturation in female leaves, Option ID :- 2232,
[keep the curd white, Option ID : -2223](#)

Which agent can control *Parthenium hysterophorus* weed?

Trichogramma, Option ID :- 1977,
Chrysopa, Option ID :- 1978,
Phytomyza, Option ID :- 1979,
Chrysopa, Option ID :- 1980,
[Trichogramma bicolorata, Option ID : -1980](#)

Which sugar cane is the best for use as seed?

COJ-67, Option ID :- 1965,
COJ-68, Option ID :- 1966,
COJ-69, Option ID :- 1967,
COJ-70, Option ID :- 1968,
[COJ-71, Option ID : -1965](#)

What is the purpose of blanching in cauliflower?

Option ID :- 2221,
Nutrition, Option ID :- 2222,
White, Option ID :- 2223,
Compact, Option ID :- 2224,
[keep the curd white, Option ID : -2223](#)

Which orchids have sympodial growth pattern?

ion ID :- 2397,
tion ID :- 2398,
tion ID :- 2399,
tion ID :- 2400,
and C only, Option ID : -2398

ro statements
ing is successful and economical method of propagation in case of guava
number of stools per plant increase with age of the plant and can be done for
same plant
re statements, choose the *correct* answer from the options given below

and Statement II are true, Option ID :- 2125,
and Statement II are false, Option ID :- 2126,
re but Statement II is false, Option ID :- 2127,
lse but Statement II is true, Option ID :- 2128,
th Statement I and Statement II are true, Option ID : -2125

ving variety of onion is suitable for dehydration?

n ID :- 2297,
tion ID :- 2298,
tion ID :- 2299,
- 2300,
njab-48, Option ID : -2297

of rice occurs at a stage from
to booting, Option ID :- 1961,
id tillering, Option ID :- 1962,
st flowering, Option ID :- 1963,
ng, Option ID :- 1964,
rserly to Tillering, Option ID : -1964

ultivar has originated as a pink fleshed budsport of Marsh?

Option ID :- 2031,
Option ID :- 2032,
Option ID :- 2031

Planning commission (1985-1990) India is divided into how many agro climatic

937,
938,
939,
940,
Option ID :- 1938

Which is correct for low chilling varieties of apple?

Chilling requirement is less than 800 hours below 7°C
High quality
Low chilling apple variety
High quality
Answer from the options given below:

Option ID :- 2133,
Option ID :- 2134,
Option ID :- 2135,
Option ID :- 2136,
B and C only , Option ID :- 2134

List II for control of citrus pest through parasite/predators

	List II
	I. <i>Coccinella septempunctata</i>
	II. <i>Cryptolaemus montrouzieri</i>
	III. <i>Brumus suturalis</i>
or	IV. <i>Citrospilus quadristriatus</i>

Answer from the options given below:

D - IV, Option ID :- 2045,
D - III, Option ID :- 2046,
D - IV, Option ID :- 2047,
Option ID :- 2048

of Tapioca?

- ption ID :- 2181,
- Option ID :- 2182,
- ID :- 2183,
- Option ID :- 2184,
- phorbiaceae, Option ID : -2184

nce for seed production in case of papaya through open pollination is

- 2093,
- 2094,
- 2095,
- 2096,
- 6m, Option ID : -2093

ired variety 'Applause' belongs to which of the following flower crop?

- , Option ID :- 2313,
- tion ID :- 2314,
- yllus, Option ID :- 2315,
- ption ID :- 2316,
- inthus caryophyllus, Option ID : -2315

ro statements

losquito Bug is a major pest of cashew

season/ late season flowering varieties such as Bhaskara are able to escape
of this pest

re statements, choose the *correct* answer from the options given below

- and Statement II are true, Option ID :- 2021,
- and Statement II are false, Option ID :- 2022,
- re but Statement II is false, Option ID :- 2023,
- lse but Statement II is true, Option ID :- 2024,
- th Statement I and Statement II are true, Option ID : -2021

arden and landscape designs are

Answer from the options given below:

Option ID :- 2321,
Option ID :- 2322,
Option ID :- 2323,
Option ID :- 2324,
and D only, Option ID : -2324

Amount of urea would be required for supplying 5 Kg of N?

1973,
1974,
:- 1975,
:- 1976,
.87, Option ID : -1975

Which is NOT true for cashew nut shell liquid?

High phenol, Option ID :- 2005,
Use of resins, detergents, insecticides and dyes, Option ID :- 2006,
Involvement in processing of nuts in isolation of kernels, Option ID :- 2007,
High tannins, Option ID :- 2008,
Naturally occurring tannins, Option ID : -2008

Protein content of wheat is

Option ID :- 1933,
Option ID :- 1934,
Option ID :- 1935,
Option ID :- 1936,
Not Attempted

Which is NOT true for rootstock 13 - 1?

Rootstock. Option ID :- 2129.

ck, Option ID :- 2132,
arfinf rootstock, Option ID : -2132

aving erect and bushy growth and attain a height of 0.5 to 4 meters, are called

, Option ID :- 2329,
:- 2330,
) :- 2331,
ID :- 2332,
rubs, Option ID : -2331

ollowing is NOT an example of mesophytes?

:- 1929,
:- 1930,
) :- 1931,
tion ID :- 1932,
t Attempted

ro statements

Gaurav variety of tomato is suitable for long distance transportation.
Lal Meeruti variety of tomato is induced mutant by chemical mutagen
e statements, choose the *most appropriate* answer from the options given

and Statement II are correct, Option ID :- 2269,
and Statement II are incorrect, Option ID :- 2270,
rrect but Statement II is incorrect, Option ID :- 2271,
orrect but Statement II is correct, Option ID :- 2272,
atement I is correct but Statement II is incorrect, Option ID : -2271

tion Day is celebrated on

tion ID :- 1993,
ption ID :- 1994,
ption ID :- 1995,
ntion ID :- 1996

nt for plum (Japanese)

Option ID :- 2101,
Option ID :- 2102,
, Option ID :- 2103,
rs, Option ID :- 2104,
[0 -1000 hours, Option ID : -2103](#)

ro statements, one is labelled as Assertion A and the other is labelled as

le sterility is considered to be most important for commercial hybrid seed
table crops.

male sterile lines eliminate the tedious emasculation procedure and make it
e hybrid seed.

re statements, choose the *correct* answer from the options given below

true and R is the correct explanation of A, Option ID :- 2241,
true but R is NOT the correct explanation of A, Option ID :- 2242,
false, Option ID :- 2243,
s true, Option ID :- 2244,
[s true but R is false, Option ID : -2243](#)

is' belongs to which of the following commercial flower crop?

ID :- 2357,
- 2358,
n ID :- 2359,
D :- 2360,
[t Attempted](#)

ist II

	List II
Onion	Chemicals
ngency	I. Anthocyanin
I	II. High dry matter
	III. Allyl propyl disulphide
	IV. Quercetin

t answer from the options given below:

I, D - II, Option ID :- 2206,
, D - IV, Option ID :- 2207,
, D - III, Option ID :- 2208,
III, B - IV, C - I, D - II, Option ID : -2206

ving is a thermo-photo insensitive variety of chrysanthemum?

tion ID :- 2345,
ion ID :- 2346,
ion ID :- 2347,
n ID :- 2348,
sa Anmol, Option ID : -2347

ist II

	List II
	Pedigree/Parent
	I. Lam selection-1 x Parvani Kranti
	II. Mutant from Pusa Sawani
	III. Pusa Sawani x A. <i>manihot</i>
	IV. Pusa Makhmali x IC1542

t answer from the options given below:

, D - II, Option ID :- 2185,
, D - III, Option ID :- 2186,
, D - IV, Option ID :- 2187,
IV, D - I, Option ID :- 2188,
III, B - I, C - II, D - IV, Option ID : -2187

es required for effective pollination in case of strawberry

1989,
:- 1990,
:- 1991,
on ID :- 1992,
5, Option ID : -1989

ving is NOT true for Ney Poovan banana?

le BBMV, Option ID :- 2011,
atodes, Option ID :- 2012,
ghly susceptible BBMV, Option ID : -2011

ro statements

m, both self fruitful and self incompatible varieties are available
n Gage is self unfruitful variety of plum

re statements, choose the *correct* answer from the options given below

and Statement II are true, Option ID :- 2085,
and Statement II are false, Option ID :- 2086,
re but Statement II is false, Option ID :- 2087,
lse but Statement II is true, Option ID :- 2088,
atement I is true but Statement II is false, Option ID : -2087

etting/fruit drop in chilli can be controlled by spraying

,) at 10 days intervals at growing stage , Option ID :- 2277,
2-3 ml per 10 litres water at flowering stage , Option ID :- 2278,
it flowering stage , Option ID :- 2279,
1ml per litre at flowering stage , Option ID :- 2280,
inofix (NAA) @ 2-3 ml per 10 litres water at flowering stage , Option ID : -2278

ss of emasculation in pineapple is overcome due to:

pollen, Option ID :- 2053,
f pollen and ovule, Option ID :- 2054,
f ovule, Option ID :- 2055,
f stigma, Option ID :- 2056,
ompatibility of pollen, Option ID : -2053

e site for synthesis of

2109,
2110,
ID :- 2111,

Two statements, one is labelled as Assertion A and the other is labelled as

A is ideal fruit for jelly preparation

A is rich in pectin and acids

For the statements, choose the *most appropriate* answer from the options given

A is correct and R is the correct explanation of A, Option ID :- 2017,

A is correct but R is NOT the correct explanation of A, Option ID :- 2018,

A is not correct, Option ID :- 2019,

Both A and R are correct, Option ID :- 2020,

Both A and R are correct but R is NOT the correct explanation of A, Option ID :

Sequence of steps involved in the pureline selection method of flower crop

1. Preliminary yield trials of progenies.

2. Selection of individual plants from a local variety or some other genetically variable and stable population.

3. Replicated yield trials at several locations.

4. Selection of progenies from individual plants separately with proper spacing.

5. Multiplication of best progeny as variety and seed multiplication for distribution.

For the sequence of steps, choose the *most appropriate* answer from the options given below

Option ID :- 2393,

Option ID :- 2394,

Option ID :- 2395,

Option ID :- 2396,

Option ID :- 2395, Option ID :- 2395

Two statements, one is labelled as Assertion A and the other is labelled as

A is an allopatric self incompatibility was first described by Hughes and Babcock in

A is an allopatric system, incompatibility reaction of pollen is determined by its own genotype of the plant on which it is produced.

For the statements, choose the *most appropriate* answer from the options given

correct and R is the correct explanation of A, Option ID :- 2389,
correct but R is NOT the correct explanation of A, Option ID :- 2390,
is not correct, Option ID :- 2391,
but R is correct, Option ID :- 2392,
[t Attempted](#)

for the biosynthesis of which plant auxin ?

1969,
- 1970,
1971,
1972,
[A, Option ID : -1972](#)

ing steps of gladiolus hybrid development in correct sequence?

hybrids
ty testing of inbred lines
inbred lines
of hybrids
n and hybrid development
t answer from the options given below

on ID :- 2385,
on ID :- 2386,
on ID :- 2387,
on ID :- 2388,
[B, E, A, D, Option ID : -2387](#)

ving shrubs have white flowers?

t answer from the options given below:

tion ID :- 2318,
tion ID :- 2319,
tion ID :- 2320,
[t Attempted](#)

ight climber with beautiful flowers belongs to which of the following family?

tion ID :- 2373,
tion ID :- 2374,
ption ID :- 2375,
Option ID :- 2376,
[rbenaceae, Option ID : -2374](#)

irement of banana

tion ID :- 2081,
ption ID :- 2082,
Option ID :- 2083,
, Option ID :- 2084,
[00 -2200 mm, Option ID : -2083](#)

ist II

ist II
. Aril
I. Mesocarp and endocarp
II. Mesocarp
V. Pericarp and placenta
/I. Endosperm

t answer from the options given below:

D - IV, Option ID :- 2153,
I, D - V, Option ID :- 2154,
, D - IV, Option ID :- 2155,
I, D - II, Option ID :- 2156,
[I, B - III, C - II, D - IV, Option ID : -2153](#)

ro statements, one is labelled as Assertion A and the other is labelled as

black pepper is grown on slopes, due care has to be taken to avoid slopes
northwest

the statements, choose the *most appropriate* answer from the options given

correct and R is the correct explanation of A, Option ID :- 2169,

correct but R is NOT the correct explanation of A, Option ID :- 2170,

is not correct, Option ID :- 2171,

but R is correct, Option ID :- 2172,

[Not Attempted](#)

Two statements, one is labelled as Assertion A and the other is labelled as

the seeds are stratified to break dormancy to get higher percentage of

contain high level of GA and low level of phenols.

the statements, choose the *correct* answer from the options given below

true and R is the correct explanation of A, Option ID :- 2065,

true but R is NOT the correct explanation of A, Option ID :- 2066,

false, Option ID :- 2067,

is true, Option ID :- 2068,

[Not Attempted](#)

leads to adaptability and stability is NOT favoured by

Option ID :- 2165,

Option ID :- 2166,

Option ID :- 2167,

polymorphism, Option ID :- 2168,

[Not Attempted](#)

Two statements

sterility is characterized by nonfunctional pollen grains, while female gametes

sterility is found common in rose, ageratum and chrysanthemum flower crops.

the statements, choose the *most appropriate* answer from the options given

and Statement II are correct, Option ID :- 2337,

correct but Statement II is correct, Option ID :- 2340,
Statement I is correct but Statement II is incorrect, Option ID : -2339

List II

	List II
	I. Plants which grow in open sunny situation
	II. Plants which grow in shade
Myces	III. Plants which always grow in shade
Phytes	IV. Plants which always grow under sunny situation

Answer from the options given below:

- A, D - IV, Option ID :- 2113,
B, D - III, Option ID :- 2114,
C, D - II, Option ID :- 2115,
D, D - I, Option ID :- 2116,
A, B - II, C - III, D - IV, Option ID : -2113

List II

	List II
	Used genetic system
Maize	I. GMS
	II. CMS
Cucumber-6	III. Self Incompatibility
	IV. Gynoecy

Answer from the options given below:

- A, D - IV, Option ID :- 2293,
B, D - III, Option ID :- 2294,
C, D - I, Option ID :- 2295,
D, D - I, Option ID :- 2296,
A, B - III, C - IV, D - I, Option ID : -2296

List II

List II
Purpose
III. Dedicated to lord Krishna.
I. Enjoyment of the royal couples.
II. Playing chess, enjoying dance of maids, etc by the king.
V. Enjoying life with courtesans by the high placed persons in the king's court.

I, D - I, Option ID :- 2301,

, D - III, Option ID :- 2302,

V, D - I, Option ID :- 2303,

I, D - II, Option ID :- 2304,

t Attempted

ving is specific origin of Bottlegourd?

ca, Option ID :- 2161,

f Kerala, Option ID :- 2162,

Option ID :- 2163,

Option ID :- 2164,

Tropical East Africa, Option ID : -2161

ist II

	List II
	I. Grapes
	II. Carrot
	III. Apple
	IV. Citrus
	V. Pear

Answer from the options given below:

D - IV , Option ID :- 2157,

, D - V , Option ID :- 2158,

V, D - V , Option ID :- 2159,

, D - IV , Option ID :- 2160,

II, B - III, C - I, D - IV , Option ID : -2157

ving is a major onion producing state in India?

:- 2249,

n ID :- 2250,

tion ID :- 2251,

, Option ID :- 2252,

harashtra, Option ID : -2251

Option ID :- 2262,
Option ID :- 2263,
Option ID :- 2264,
Correct Answer: Option ID : -2261

Two statements
Statement I: In 1972-73 there was an apple epidemic in Jammu and Kashmir
Statement II: Commercial scab resistant variety for Jammu and Kashmir are Shalimar Apple I and
Based on the statements, choose the correct answer from the options given below

Both Statement I and Statement II are true, Option ID :- 1981,
Both Statement I and Statement II are false, Option ID :- 1982,
Statement I is true but Statement II is false, Option ID :- 1983,
Statement I is false but Statement II is true, Option ID :- 1984,
Correct Answer: Both Statement I and Statement II are true, Option ID : -1981

Which of the following is an unfavourable factor for self pollination?

Option ID :- 2097,
Option ID :- 2098,
Option ID :- 2099,
Option ID :- 2100,
Correct Answer: Protogyny, Option ID : -2100

Which of the following can be included in the delicious plantations of apple?

Choose the correct answer from the options given below

Option ID :- 2073,
Option ID :- 2074,
Option ID :- 2075,

ving colours belong to hard or warm colours in “Colour scheme”?

reen, Option ID :- 2305,
grey, Option ID :- 2306,
reen, Option ID :- 2307,
yellow, Option ID :- 2308,
[d, orange and yellow, Option ID : -2308](#)

ving is NOT a F₁ hybrid of chilli?

ID :- 2217,
ion ID :- 2218,
ion ID :- 2219,
tion ID :- 2220,
[t Attempted](#)

works under administrative control of

ulture and Farmer Welfare, Option ID :- 2253,
ce and Technology, Option ID :- 2254,
Processing Industries, Option ID :- 2255,
nerce and Industry, Option ID :- 2256,
[nistry of Commerce and Industry, Option ID : -2256](#)

ect about ‘Shellac coating” which is generally used for increasing the shelf life

secreted by the insect, Option ID :- 2285,
sed of aleuritic and shelloic acids, Option ID :- 2286,
patible with waxes, Option ID :- 2287,
ted as an indirect food additive, Option ID :- 2288,
[ellac is permitted as an indirect food additive, Option ID : -2288](#)

ving part of carrot contains the highest carotene level ?

Option ID :- 2193,
ot, Option ID :- 2194,

[t Attempted](#)

Heart of potato is caused by

- Low temperature (less than 13°C), Option ID :- 2173,
- Lack of oxygen during storage and transport, Option ID :- 2174,
- Irregular development of tubers followed by sudden irrigation, Option ID :- 2175,
- Overcrowding in small sized tubers, Option ID :- 2176,
- [Rapid growth and development of tubers followed by sudden irrigation, Option ID :- 2177](#)

Answer

Choose the correct answer from the options given below:

- Option ID :- 2001,
- Option ID :- 2002,
- Option ID :- 2003,
- Option ID :- 2004,
- [Correct Answer: Option ID :- 2004](#)

Which of the following is a biological agent for suppressing *Parthenium hysterophorus*?

- Option ID :- 2137,
- Option ID :- 2138,
- Option ID :- 2139,
- Option ID :- 2140,
- [Trichoderma, Option ID :- 2140](#)

Which of the following is the correct name of the organization established in 1947 for the promotion of vegetable research in India?

Central Board of Horticultural Research

Central Board of Vegetable Research

Central Board of Horticultural Science

Central Board of Vegetable Science

Answer from the options given below

Option ID :- 2201,
Option ID :- 2202,
Option ID :- 2203,
Option ID :- 2204,
D, B, C, A, Option ID : -2203

At a given location is characterised by AQI in the range of

:- 1953,
:- 1954,
:- 1955,
:- 1956,
Not Attempted

Two statements

Heterosis was first used by Shull (1914) and is defined as the superiority of an F₁ over its parents in terms of yield and some other characters.

The genetic basis of heterosis is explained by two main theories namely dominance and overdominance hypothesis.

From the statements, choose the *most appropriate* answer from the options given

Options:-

- Both Statement I and Statement II are correct, Option ID :- 2325,
 - Both Statement I and Statement II are incorrect, Option ID :- 2326,
 - Statement I is correct but Statement II is incorrect, Option ID :- 2327,
 - Statement I is incorrect but Statement II is correct, Option ID :- 2328,
- Answer Given:- Statement I is correct but Statement II is incorrect, Option ID : -2327**
-

Question ID:- 488

Under north Indian condition plant crop of sugarcane should be harvested during which period to obtain profuse ratoon initiation

Options:-

- Mid December - Mid January, Option ID :- 1949,
- Mid January- Mid February, Option ID :- 1950,
- Mid February - Mid March, Option ID :- 1951,
- Mid March- Mid April, Option ID :- 1952,

Answer Given:- Mid January- Mid February, Option ID : -1950
