# ICAR AIEEA PG

## QUESTION PAPER



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**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<br>1. 29 July 2020<br>2. 15 August 2020<br>3. 26 January 2020<br>4. 15 August 2021<br><br>A1 : 1<br><br>A2 : 2<br><br>A3 : 3<br><br>A4 : 4 | 4.0 | 1.00 |
| Objective Question | | | | |
| 2 | 80002 | The UN has designated 2024 as the International Year of<br>1. Camelids<br>2. Cooperatives<br>3. Rangelands and Pastoralists<br>4. Millets<br><br>A1 : 1<br><br>A2 : 2<br><br>A3 : 3<br><br>A4 : 4 | 4.0 | 1.00 |
| Objective Question | | | | |
| 3 | 80003 | | 4.0 | 1.00 |

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

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

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

Objective Question

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|---|---|---|---|---|
| 10 | 80010 | | 4.0 | 1.00 |

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

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

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

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

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

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

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

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

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|---|---|---|---|---|
| 34 | 80034 | Flame peeling is generally used for<br>1. Onion and garlic<br>2. Pea and grains<br>3. Carrot<br>4. Pineapple<br>A1 : 1<br>A2 : 2<br>A3 : 3<br>A4 : 4 | 4.0 | 1.00 |

Objective Question

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|---|---|---|---|---|
| 35 | 80035 | As per FPO which of the following is not true for canning of fruits?<br>1. No preservative shall be added<br>2. Drained weight not less than 50%<br>3. The can shall not show any positive pressure at sea level<br>4. Head space in can should be more than 1.6 cm<br>A1 : 1<br>A2 : 2 | 4.0 | 1.00 |

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

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

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|---|---|---|---|---|
| | | Which salt absorbs ethylene effectively during storage of apple?<br>1. $KMNO_4$<br>2. $K_2SO_4$<br>3. KCl<br>4. $KNO_3$<br><br>A1 : 1<br><br>A2 : 2<br><br>A3 : 3<br><br>A4 : 4 | | |
| Objective Question | | | | |
| 42 | 80042 | Which plant bio regulator blocks the synthesis of gibberellin?<br>1. Abscisic acid<br>2. Ethylene<br>3. Benzothidiazole<br>4. Prohexadione-calcium<br><br>A1 : 1<br><br>A2 : 2<br><br>A3 : 3<br><br>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<br>1. 30 Days before harvesting<br>2. 60 Days before harvesting<br>3. 90 Days before harvesting<br>4. 120 Days before harvesting<br><br>A1 : 1<br><br>A2 : 2<br><br>A3 : 3<br><br>A4 : 4 | 4.0 | 1.00 |
| Objective Question | | | | |
| 44 | 80044 | | 4.0 | 1.00 |

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|---|---|---|---|---|
| | | Which district has been granted GI tag in cashew nut for nut quality?<br>1. Kasargod, Kerala<br>2. Puttur, Karnataka<br>3. Vengurla, Maharashtra<br>4. Bapatla, Andhra Pradesh<br><br>A1 : 1<br><br>A2 : 2<br><br>A3 : 3<br><br>A4 : 4 | | |
| Objective Question | | | | |
| 45 | 80045 | Various forms of gibberellins are abundant during which stage of fruit development?<br>1. Stage I<br>2. Stage II<br>3. Stage I & Stage II<br>4. Through out seed development<br><br>A1 : 1<br><br>A2 : 2<br><br>A3 : 3<br><br>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?<br>1. Saba<br>2. Matti Banana<br>3. Pacovan<br>4. Nanicalo<br><br>A1 : 1<br><br>A2 : 2<br><br>A3 : 3<br><br>A4 : 4 | 4.0 | 1.00 |
| Objective Question | | | | |
| 47 | 80047 | | 4.0 | 1.00 |

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

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|---|---|---|---|---|
| | | In case of epicotyl grafting in mango, healing union stage extends from<br><br>1. 30-60 days<br>2. 60-120 days<br>3. 120-180 days<br>4. 180-200 days<br><br>A1 : 1<br><br>A2 : 2<br><br>A3 : 3<br><br>A4 : 4 | | |
| Objective Question | | | | |
| 51 | 80051 | Man made hybrid Tangelos is an interspecific hybrid of<br><br>1. *Citrus deliciosa* × *Citrus nobilis*<br>2. *Citrus sinensis* × *Citrus deliciosa*<br>3. *Citrus reticulata* × *Citrus paradisi*<br>4. *Citrus grandis* × *Citrus unshiu*<br><br>A1 : 1<br><br>A2 : 2<br><br>A3 : 3<br><br>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<br><br>1. Mericlinal Chimera<br>2. Periclinal chimera<br>3. Sectorial chimera<br>4. Segmented chimera<br><br>A1 : 1<br><br>A2 : 2<br><br>A3 : 3<br><br>A4 : 4 | 4.0 | 1.00 |
| Objective Question | | | | |
| 53 | 80053 | | 4.0 | 1.00 |

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|---|---|---|---|---|
| | | Sequence the guava species according to their Synonyms<br>(A) *Psidium cattleianum* var. *longipes*<br>(B) *Psidium cattleianum* var. *lucidum*<br>(C) *Psidium montanum*<br>(D) *Psidium molle*<br>1. Brazilian guava - Strawberry guava - Mountain guava - Lemon guava<br>2. Lemon guava -Strawberry guava - Brazilian guava - Mountain guava<br>3. Strawberry guava - Lemon guava - Mountain guava - Brazilian guava<br>4. Lemon guava - Mountain guava - Brazilian guava - Strawberry guava<br>A1 : 1<br>A2 : 2<br>A3 : 3<br>A4 : 4 | | |
| Objective Question | | | | |
| 54 | 80054 | Sequence the International Banana breeding institutes according to their place<br>(A) IITA<br>(B) EMBRPA<br>(C) CARBAP<br>(D) TBRI<br>1. Brazil - Taiwan - Nigeria and Uganda - Cameroon<br>2. Nigeria and Uganda - Taiwan - Brazil - Cameroon<br>3. Cameroon - Nigeria and Uganda -Taiwan - Brazil<br>4. Nigeria and Uganda - Brazil - Cameroon - Taiwan<br>A1 : 1<br>A2 : 2<br>A3 : 3<br>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).<br><br>Assertion (A) : Combining all desirable character in a single cultivar of mango is difficult<br><br>Reason (R) : Mango is a homogeneous crop of suspected diploid origin<br><br>In light of the above statements, choose the correcf answer from the options given below.<br><br>1. Both (A) and (R) are true and (R) is the correct explanation of (A).<br>2. Both (A) and (R) are true but (R) is NOT the correct explanation of (A).<br>3. (A) is true but (R) is false.<br>4. (A) is false but (R) is true.<br><br>A1 : 1<br><br>A2 : 2<br><br>A3 : 3<br><br>A4 : 4 | | |
| Objective Question | | | | |
| 56 | 80056 | Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R).<br><br>Assertion (A) : Veneer grafting and stone grafting are by far the best method of vegetative propagation in mango<br><br>Reason (R) : Scion stick can be carried to long distances and can keep well for 5-6 days<br><br>In light of the above statements, choose the *most appropriate* answer from the options given below .<br><br>1. Both (A) and (R) are correct and (R) is the correct explanation of (A).<br>2. Both (A) and (R) are correct but (R) is NOT the correct explanation of (A).<br>3. (A) is correct but (R) is not correct.<br>4. (A) is not correct but (R) is correct.<br><br>A1 : 1<br><br>A2 : 2<br><br>A3 : 3<br><br>A4 : 4 | 4.0 | 1.00 |
| Objective Question | | | | |
| 57 | 80057 | | 4.0 | 1.00 |

| | | | | |
|---|---|---|---|---|
| | | Given below are two statements:<br><br>Statement (I): Sucking mango cultivars such as Gaurjit and Safeda can be sliced easily<br><br>Statement (II): These cultivars are small fruited and have high fibre content<br><br>In light of the above statements,choose the *most appropriate* answer from the options given below:<br><br>1. Both Statement (I) and Statement (II) are true.<br>2. Both Statement (I) and Statement (II) are false.<br>3. Statement (I) is true but Statement (II) is false.<br>4. Statement (I) is false but Statement (II) is true.<br><br>A1 : 1<br><br>A2 : 2<br><br>A3 : 3<br><br>A4 : 4 | | |
| Objective Question | | | | |
| 58 | 80058 | Given below are two statements:<br><br>Statement (I): The growth of guava fruits follow a single sigmoid curve<br><br>Statement (II): The fruits undergo extensive cell division during the first few week immediately following fertilization<br><br>In light of the above statements,choose the *most appropriate* answer from the options given below:<br><br>1. Both Statement (I) and Statement (II) are true.<br>2. Both Statement (I) and Statement (II) are false.<br>3. Statement (I) is true but Statement (II) is false.<br>4. Statement (I) is false but Statement (II) is true.<br><br>A1 : 1<br><br>A2 : 2<br><br>A3 : 3<br><br>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<br><br>A2 : 2<br><br>A3 : 3<br><br>A4 : 4 | | |
| Objective Question | | | | |
| 61 | 80061 | Which of the following is high temperature tolerant variety of cabbage?<br><br>1. Pusa Shree<br>2. Pusa Agrim<br>3. Pusa Ageti<br>4. Pusa Drum Head<br><br>A1 : 1<br><br>A2 : 2<br><br>A3 : 3<br><br>A4 : 4 | 4.0 | 1.00 |
| Objective Question | | | | |
| 62 | 80062 | Which of the following mechanism favours self-pollination ?<br><br>1. Protandry<br>2. Cleistogamy<br>3. Protogyny<br>4. Dioecy<br><br>A1 : 1<br><br>A2 : 2<br><br>A3 : 3<br><br>A4 : 4 | 4.0 | 1.00 |
| Objective Question | | | | |
| 63 | 80063 | King of North is the variety of ?<br><br>1. Broccoli<br>2. Knol Khol<br>3. Celery<br>4. Parsely<br><br>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 (Si) 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<br><br>A2 : 2<br><br>A3 : 3<br><br>A4 : 4 | | |
| Objective Question | | | | |
| 66 | 80066 | What is the family of Rhubarb ?<br><br>1. Apiaceae<br>2. Euphorbiaceae<br>3. Convolvulaceae<br>4. Polygonaceae<br><br>A1 : 1<br><br>A2 : 2<br><br>A3 : 3<br><br>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?<br><br>1. Withering of the tendril near the place of fruit attachment<br>2. Change of ground spot colour of the fruit<br>3. Dull-thud sound on thumping the fruit<br>4. Changing in fruit shape<br><br>A1 : 1<br><br>A2 : 2<br><br>A3 : 3<br><br>A4 : 4 | 4.0 | 1.00 |
| Objective Question | | | | |
| 68 | 80068 | What is the edible portion of cauliflower ?<br><br>1. Modified leaves<br>2. Modified flowers<br>3. Modified inflorescence<br>4. Modified stem<br><br>A1 : 1 | 4.0 | 1.00 |

| | | | | |
|---|---|---|---|---|
| | | A2 : 2<br><br>A3 : 3<br><br>A4 : 4 | | |
| Objective Question | | | | |
| 69 | 80069 | The bitterness in colocasia corms is due to<br><br>1. Calcium chloride<br>2. Calcium oxalate<br>3. Calcium carbonate<br>4. Potassium oxalate<br><br>A1 : 1<br><br>A2 : 2<br><br>A3 : 3<br><br>A4 : 4 | 4.0 | 1.00 |
| Objective Question | | | | |
| 70 | 80070 | Red colour of beet root is due to<br><br>1. Carotene<br>2. Xanthophyll<br>3. Anthocyanin<br>4. Chlorophyll-b<br><br>A1 : 1<br><br>A2 : 2<br><br>A3 : 3<br><br>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 | Which of the following is NOT a round fruited variety of Brinjal?<br>1. Arka Shirish<br>2. Pusa Bhairav<br>3. Punjab Sadabahar<br>4. Pant Rituraj<br><br>A1 : 1<br>A2 : 2<br>A3 : 3<br>A4 : 4 | 4.0 | 1.00 |

Objective Question

| | | | | |
|---|---|---|---|---|
| 73 | 80073 | | 4.0 | 1.00 |

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

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

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

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

| | | | | |
|---|---|---|---|---|
| | | A4 : 4 | | |
| Objective Question | | | | |
| 85 | 80085 | Given below are two statements:<br><br>Statement (I): The typical vegetable cowpea has higher polysaccharides : monosaccharide ratio.<br><br>Statement (II): Amino acid profile particularly lycin, leucin and phenylalanine contents are relatively high in cowpea.<br><br>In light of the above statements,choose the *most appropriate* answer from the options given below.<br><br>1. Both Statement (I) and Statement (II) are true.<br>2. Both Statement (I) and Statement (II) are false.<br>3. Statement (I) is true but Statement (II) is false.<br>4. Statement (I) is false but Statement (II) is true.<br><br>A1 : 1<br><br>A2 : 2<br><br>A3 : 3<br><br>A4 : 4 | 4.0 | 1.00 |
| Objective Question | | | | |
| 86 | 80086 | The pungency of onion is due to<br><br>1. Allyl propyl disulphide<br>2. Quercetin<br>3. Sinigrin<br>4. Khudioxidase<br><br>A1 : 1<br><br>A2 : 2<br><br>A3 : 3<br><br>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 ?<br><br>1. Excessive nitrogen application<br>2. High temperature condition<br>3. Long day length<br>4. Application of ethrel@150 ppm<br><br>A1 : 1<br><br>A2 : 2 | 4.0 | 1.00 |

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

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

| | | | | |
|---|---|---|---|---|
| | | The following statements are given for Brinjal<br><br>(A). Pigmented purple coloured brinjal contains more vitamin C than green<br><br>(B). Copper and polyphenol oxidase activity are highest in purple colour fruits<br><br>(C). Fe and Catalase are lowest in green Brinjal<br><br>(D). Bitterness of fruits is due to presence of solasodin<br><br>Choose the ***correct*** answer from the options given below:<br><br>1. (A), (B) and (C) only.<br>2. (A), (B) and (D) only.<br>3. (A), (B), (C) and (D).<br>4. (B), (C) and (D) only.<br><br>A1 : 1<br><br>A2 : 2<br><br>A3 : 3<br><br>A4 : 4 | | |
| Objective Question | | | | |
| 93 | 80093 | Which of the following is NOT a frost tolerant species of potato ?<br><br>1. *Solanum acaule*<br>2. *Solanum vernei*<br>3. *Solanum commersonii*<br>4. *Solanum tuberosum*<br><br>A1 : 1<br><br>A2 : 2<br><br>A3 : 3<br><br>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?<br><br>1. Onion<br>2. Cabbage<br>3. Carrot<br>4. Radish<br><br>A1 : 1<br><br>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<br><br>A3 : 3<br><br>A4 : 4 | | |
| Objective Question | | | | |
| 97 | 80097 | Which of the following tree is mentioned in *Atharva Veda*?<br><br>1. *Terminalia arjuna*<br>2. *Ficus religiosa*<br>3. *Cassia fistula*<br>4. *Shorea robusta*<br><br>A1 : 1<br><br>A2 : 2<br><br>A3 : 3<br><br>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?<br><br>1. *Hiptage madablota*<br>2. *Adenocalymma alliaceum*<br>3. *Clerodendrum splendens*<br>4. *Quisqualis indica*<br><br>A1 : 1<br><br>A2 : 2<br><br>A3 : 3<br><br>A4 : 4 | 4.0 | 1.00 |
| Objective Question | | | | |
| 99 | 80099 | Who has completed the garden at Amber fort, Jaipur, Rajasthan?<br><br>1. Nawab Wajid Ali Shah<br>2. Raja Jai Singh II<br>3. Raja Abhai Singh<br>4. Sher Shah Suri<br><br>A1 : 1<br><br>A2 : 2 | 4.0 | 1.00 |

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

| | | | | |
|---|---|---|---|---|
| Objective Question | | | | |
| 102 | 80102 | Given below are two statements:<br><br>Statement (I): Garden suburbs are nothing but satellite townships developed among parks and avenues.<br><br>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.<br><br>In light of the above statements,choose the *most appropriate* answer from the options given below.<br><br>1. Both Statement (I) and Statement (II) are true.<br>2. Both Statement (I) and Statement (II) are false.<br>3. Statement (I) is true but Statement (II) is false.<br>4. Statement (I) is false but Statement (II) is true.<br><br>A1 : 1<br><br>A2 : 2<br><br>A3 : 3<br><br>A4 : 4 | 4.0 | 1.00 |
| Objective Question | | | | |
| 103 | 80103 | Which of the following architect has given the concept of bio-aesthetic planning?<br><br>1. Le Corbusier<br>2. Pierre Jeanneret<br>3. Pro. Lancelot Hogben<br>4. Dr. G S Randhawa<br><br>A1 : 1<br><br>A2 : 2<br><br>A3 : 3<br><br>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:<br><br>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.<br><br>Statement (II): *Cynodon dactylon* L., *Stenotaphrum secundatum* and *Paspalum notatum* are cool season grasses and highly suitable for lawn making in cool areas.<br><br>In light of the above statements,choose the *most appropriate* answer from the options given below:<br><br>1. Both Statement (I) and Statement (II) are true.<br>2. Both Statement (I) and Statement (II) are false.<br>3. Statement (I) is true but Statement (II) is false.<br>4. Statement (I) is false but Statement (II) is true.<br><br>A1 : 1<br><br>A2 : 2<br><br>A3 : 3<br><br>A4 : 4 | 4.0 | 1.00 |

Objective Question

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|---|---|---|---|---|
| 106 | 80106 | | 4.0 | 1.00 |

| | | | | |
|---|---|---|---|---|
| | | Which of the following is a cool season lawn/turfgrass?<br>1. *Lolium perene*<br>2. *Zoysia japonica*<br>3. *Paspalum vaginatum*<br>4. *Buchloe dactyloides*<br><br>A1 : 1<br><br>A2 : 2<br><br>A3 : 3<br><br>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<br>1. Mutation<br>2. Polyploidy<br>3. Luxuriance<br>4. Heterosis<br><br>A1 : 1<br><br>A2 : 2<br><br>A3 : 3<br><br>A4 : 4 | 4.0 | 1.00 |
| Objective Question | | | | |
| 108 | 80108 | Which of the following varieties belong to standard carnation?<br>(A). Lavender Lace<br>(B). Cherry Bag<br>(C). White Giant<br>(D). Pink Beam<br>Choose the ***correct*** answer from the options given below:<br>1. (A), (B) and (C) only.<br>2. (A) and (C) only.<br>3. (B ) and (D) only.<br>4. (A) and (D) only.<br><br>A1 : 1<br><br>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). *Bufea 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?<br>1. Self-incompatibility<br>2. Male sterility<br>3. Pure line<br>4. Pedigree<br><br>A1 : 1<br><br>A2 : 2<br><br>A3 : 3<br><br>A4 : 4 | 4.0 | 1.00 |
| Objective Question | | | | |
| 112 | 80112 | Given below are two statements:<br>Statement (I): A soft or cool harmony can be achieved by using blue colours available in sweet pea, China asters and petunias.<br>Statement (II): A warm harmony can be achieved by using yellow antirrhinum with orange dimorphotheca or yellow marigold with orange antirrhinum<br>In light of the above statements,choose the *most appropriate* answer from the options given below:<br>1. Both Statement (I) and Statement (II) are true.<br>2. Both Statement (I) and Statement (II) are false.<br>3. Statement (I) is true but Statement (II) is false.<br>4. Statement (I) is false but Statement (II) is true.<br><br>A1 : 1<br><br>A2 : 2<br><br>A3 : 3<br><br>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?<br><br>(A). Pusa Sona<br><br>(B). Tata Century<br><br>(C). Snow Ball<br><br>(D). Sadbhavana<br><br>Choose the ***correct*** answer from the options given below:<br><br>1. (A), (B) and (C) only.<br>2. (A) and (C) only.<br>3. (B ) and (D) only.<br>4. (A) and (D) only.<br><br>A1 : 1<br><br>A2 : 2<br><br>A3 : 3<br><br>A4 : 4 | | |
| Objective Question | | | | |
| 114 | 80114 | Shrubs or trees planted at regular intervals to form a continuous screen is called as<br><br>1. Edge<br>2. Hedge<br>3. Arches<br>4. Pergola<br><br>A1 : 1<br><br>A2 : 2<br><br>A3 : 3<br><br>A4 : 4 | 4.0 | 1.00 |
| Objective Question | | | | |
| 115 | 80115 | Terrace and running water are the main features of which of the following garden?<br><br>1. English garden<br>2. Japanese garden<br>3. Mughal garden<br>4. Persian garden<br><br>A1 : 1<br><br>A2 : 2 | 4.0 | 1.00 |

| | | | | |
|---|---|---|---|---|
| | | A3 : 3<br><br>A4 : 4 | | |
| Objective Question | | | | |
| 116 | 80116 | Which of the following genera belong to marginal plants and suitable for planting in water gardens?<br><br>(A). *Azolla caroliniana*<br><br>(B). *Acorus calamus*<br><br>(C). *Cyperus alternifolius*<br><br>(D). *Elodea canadensis*<br><br>Choose the ***correct*** answer from the options given below:<br><br>1. (A) and (C) only.<br>2. (A) and (D) only.<br>3. (B ) and (C) only.<br>4. (C) and (D) only.<br><br>A1 : 1<br><br>A2 : 2<br><br>A3 : 3<br><br>A4 : 4 | 4.0 | 1.00 |
| Objective Question | | | | |
| 117 | 80117 | Arrange the following steps involved in hybridization of rose flower crop in correct orders?<br><br>(A). Emasculation of flowers of female parents.<br><br>(B). Pollination<br><br>(C). Harvesting and storing of $F_1$ seeds<br><br>(D). Bagging and tagging<br><br>(E). Choice and evaluation of pollen and female parents.<br><br>Choose the **correct** answer from the options given below:<br><br>1. (C), (D), (E), (B), (A).<br>2. (E), (A), (D), (B), (C).<br>3. (A), (D), (E), (C), (B).<br>4. (C), (B), (E), (A), (D).<br><br>A1 : 1<br><br>A2 : 2<br><br>A3 : 3<br><br>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).<br><br>Assertion (A) : Over watering is very harmful to chrysanthemum plants, hence proper drainage in the field and pots should be maintained for commercial cultivation.<br><br>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.<br><br>In light of the above statements, choose the *most appropriate* answer from the options given below.<br><br>1. Both (A) and (R) are correct and (R) is the correct explanation of (A).<br>2. Both (A) and (R) are correct but (R) is NOT the correct explanation of (A).<br>3. (A) is correct but (R) is not correct.<br>4. (A) is not correct but (R) is correct.<br><br>A1 : 1<br><br>A2 : 2<br><br>A3 : 3<br><br>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?<br><br>(A). Selection of plants with similar but desirable traits from variable population.<br><br>(B). Planting of composite seeds in preliminary yield trials and evaluation of phenotype of selected population.<br><br>(C). Evaluation of promising selections in coordinated yield trials at multi-locations.<br><br>(D). Compositing of seeds from selected plants.<br><br>(E). Seed multiplication of outstanding selection for distribution.<br><br>Choose the **correct** answer from the options given below:<br><br>1. (C), (D), (E), (B), (A).<br>2. (A), (D), (C), (B), (E).<br>3. (A), (D), (B), (C), (E).<br>4. (C), (B), (E), (A), (D).<br><br>A1 : 1<br><br>A2 : 2<br><br>A3 : 3<br><br>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

# Entrance Exams

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