List II

Civil Service Examination: Agriculture question paper 2009

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- 1. Which one of the following category of seeds is not being produced in India?
 - (a) Nucleus seeds
 - (b) Breeder seeds
 - (c) Registered seeds
 - (d) Foundation seeds
- 2. Which one of the following methods of plant breeding is not being. Used in cross-pollinated crops?
 - (a) Mass selection
 - (b) Recurrent selection
 - (c) Pedigree selection
 - (d) Back cross
- 3. Match List I with List II and select the correct answer using the code given below the Lists:

List I		Lis	t I I	
(Segregation ratio)		gregation ratio)	(Ту	pe of gene
		interaction with which		
			the	given ratios are
			ass	ociated)
	A.	9: 3: 4	1.	Duplicate dominant
				epistasis
	B.	12: 3: 1	2.	Duplicate recessive
				epistasis

- C. 13: 3
- 3. Dominant and recessive epistasis4. Dominant epistasis
- 15: 1 4. Dominant epistasis 5. Recessive epistasis

Code:

D.

	Α	В	С	D
(a)	1	3	4	2
(b)	1	4	3	2
(c)	5	4	3	1
(d)	5	3	4	1

4. Match List I with List II and select the correct answer using the code given below the Lists:

	(Expressions)
A.	Alternative form of a
	gene which cannot in
	go together in the
	same gamete

List I

- B. A phenotype caused by which resembles a phenotype caused
- by a gene
 C. Crossing of F₁ with homozygous recessive parent
- D. Gene which has masking effect on another gene

(Terminology) Allele

List II

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- 2. Phenocopy
- 3. Test cross
- 4. Epistatic gene

Code:

	Α	В	С	D
(a)	1	2	3	4
(a) (b)	1	3	2	4
(c)	4	2	3	1
(d)	4	3	2	1

Match List I with List II and select the correct answer using the code given below the Lists:

(Ev	(Events in meiosis)		(Different stages)		
Α.	Centromere	1.	Anaphase II		
	divices				
В.	Random	2.	Metaphase I		
	assortment of				
	chromosome				
	pairs occurs				
С.	Orientation of	3.	Anaphase I		
	chromosomes				
	at the				
	equatorial				
	plane				
D.	Crossing over	4.	Pachytene		

Code:

occurs

	Α	В	С	D
(a)	3	1	2	4
(b)	3	1	4	2
(c)	1	3	2	4
(d)	1	3	4	2

Consider the following statements: Hybrid seed production process involves

- 1. Production of inbred lines.
- 2. Selection of inbred lines.
- 3. Production of F_1 -seed.
- 4. testing of combining ability.

Select the correct sequence of above using the code given below;

- (a) 1, 2, 3, 4
- (b) 2, 1, 4, 3
- (c) 1, 2, 4, 3
- (d) 1, 4, 2, 3

Consider the following statements: In pedigree method of breeding

- Plant selection is continued till the
- progenies become homozygous.
 Plants are selected from F₂ onwards and their progenies are tested.
- 3. It may be possible to study precise nature of inheritance of different characters by studying the pedigree records.

Which of the statements given above are correct?

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 2 and 3 only
- (d) 1, 2 and 3

Which one of the following is used as solvent in concrete extraction from jasmine flowers?

- (a) Ethanol
- (b) Methanol
- (c) Hexane
- (d) Glycerol

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- 9. In carrot, seed-to-seed method is preferred for production of
 - (a) Nucleus seed
 - (b) Foundation seed
 - (c) Certified seed
 - (d) Hybrid seed
- 10. Which one of the following hybrids of banana is popularly known as 'Gold Finger'?
 - (a) FHIA-01
 - (b) FHIA-26
 - (c) PITA-18
 - (d) BITA-3

List I

11. Match List I with List II and select the correct answer using the code given below the Lists:

(Horti	iculture		(Loca	ation)			
Resea	arch						
Instit	Institute)						
A.	CIPH	IET C VC	1.	Varanasi			
B.	HHR		2.	Srinagar			
C.	HVR		3.	Bengaluru			
D.	CITH		4.	Ludhiana			
Code:							
	Α	В	С	D			
(a)	4	3	1	2			
(b)	4	1	3	2			
(c)	2	3	1	4			
(d)	2	1	3	4			

List II

- 12. Sowing the rootstocks in the field and grafting on them in the field itself is known as
 - (a) Field grafting
 - (b) In-situ grafting
 - (c) Veneer grafting
 - (d) Approach grafting
- 13. Match List I with List II and select the correct answer using the code given below the Lists:

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List I			List	П
(Crop)			(Vari	iety)

- A. Solanum viarum
- 1. Arka Upkar
- B. Java citrnella
- 2. Nirmal
- C. Catharanthus roseus 3. Auka Sanjeevin
- D. Dioscorea floribunda 4. Manjusha

Code:

	Α	В	С	D
(a)	1	2	4	3
(b)	1	4	2	3
(c)	3	4	2	1
(d)	3	2	4	1

Match List I with List II and select the correct answer using the code given below the Lists:

List I			List II			
	(Ho	rticulture crop)	(Sta	age of Harvest)		
	Α.	Gerbera	1.	When all florets		
				open		
	В.	Tuberose	2.	Fully opened		
				flowers		
	C.	Dendrobium	3.	When first pair of		
		orchid		flowers in the spike		
				is fully open		
	D.	Marigold	4.	when outer petals		
		_		are fully expanded		

Code:

	Α	В	С	D
(a)	2	3	1	4
(a) (b)	2	1	3	4
(c)	4	1	3	2
(d)	4	3	1	2

Crop yields are reduced in saline soils because

- (a) these soils do not allow easy movement of water through them
- (b) these soils have hard pan in the subsurface
- (c) these soils have crusty surface affecting germination
- (d) of high osmotic pressure of the soil solution around the roots

Consider the following statements: In the Indian context, especially for the ricewheat belt in the Indo-Gangetic Plain, the fertilizer application is not generally balanced with the imbalance being primarily due to

- Excessive application of P and N fertilizers.
- 2. Excessive application of P and N, while inadequate application o K fertilizers.
- 3. Inadequate application of K fertilizers.
- 4. Excessive application of N and inadequate application o P fertilizers.

Which of the statements given above is/are correct?

(a) 1 only (b) 3 and 4 (c) 2 only (d) 4 only

Consider the following statements: Sprinkler irrigation has advantages over surface irrigation in respect of

- 1. Ensuring uniform application of water.
- 2. Favouring greater permeability.
- 3. Minimizing conveyance losses.
- Avoiding surface run-off.

Which of the statements given above are correct?

- (a) 1, 2 and 3
- (b) 1, 2 and 4
- (c) 2, 3 and 4
- (d) 1, 3 and 4

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18. Consider the following statements:

Proper tillage results in

- 1. increase in bulk density of soil.
- 2. increased depth of soil for moisture storage through higher infiltration.
- 3. reduced run-off.
- 4. impeded aeration in soil-plant system.

Which of the statements given above are correct?

- (a) 1and 2
- (b) 1, 3and 4
- (c) 2 and 3 only
- (d) 1 and 3 only
- 19. The sweet potato crop does well in soils which are
 - (a) Deep sandy loam
 - (b) Strongly acidic sandy clay
 - (c) Alkaline clayey sand
 - (d) Saline clay leam
- 20. With reference to salt-tolerance of crop plants, consider the following pairs;

Crop Degree of salt-tolerance

Potato : Tolerant
 Maize : Semi-tolerant
 Barley : Sensitive

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 2 and 3
- (c) 2 only
- (d) 1, 2 and 3
- 21. With reference to the nutrient management of crops, consider the following statements;
 - 1. In crops in which the vegetative part is the economic yield, nitrogen supply must be stopped much before maturity.
 - 2. In seed crops, the application of nitrogen may be during the seed development phase

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2
- 22. Consider the following soil classes under surface irrigation methods:
 - 1. Sandy loam
 - 2. Clay loam
 - 3. Loam
 - 4. Heavy clay

What is the correct sequence of the above regarding their irrigation efficiency in ascending order?

- (a) 1 2 3 4
- (b) 1 3 2 4
- (c) 4 2 3 1
- (d) 4 3 2 1

With reference to "Additive Series" type of intercropping system, consider the following statements:

- The base crop is less than its recommended population in pure stand.
- 2. The population of intercrop is 100 per cent of its recommended population in its pure stand.

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

Which one of the following hormones is responsible for cell division in plants?

- (a) Cytokinin
- (b) Abscisic acid
- (c) Gibberellin
- (d) Bassinolide

Match List I with List II and select the correct answer using the code given below the Lists:

List I (Hormone)			List II (Precursors)		
Auxii	n	1.	Methionine		
Gibb	erellin	2.	Purine/adenine		
Ethy	lene	3.	Tryptophan		
Cytokinin		4.	Mevalonic acid		
Code:					
Α	В	С	D		
3	4	1	2		
3	1	4	2		
2	4	1	2		
2	1	4	3		
	Auxii Gibb Ethy Cyto : A 3 3 2	Auxin Gibberellin Ethylene Cytokinin : A B 3 4 3 1 2 4	Auxin 1. Gibberellin 2. Ethylene 3. Cytokinin 4. : A B C 3 4 1 3 1 4 2 4 1		

Which one of the following enzymes is activated by Zinc?

- (a) Catalase
- (b) Peroxidase
- (c) Carbonic anhydrase
- (d) Nitrate reductase

Which one of the following is the predominant sugar translocated in the phloem of most crop species?

- (a) Glucose
- (b) Fructose
- (c) Maltose
- (d) Sucrose

28. Which one among the following cations is 33. involved in stomatal regulation? Calcium (a) Magnesium (b) (c) Manganese A. (d) Potassium B. 29. Which one of the following fungicides can effectively destroy or inactivate internally seed C. borne inoculum? Mancozeb (a) D. (b) **Thiram** Zineb (c) (d) Metalaxyl 30. Consider the following statements: Sclerospora graminicola is an obligate paresite. S 2. Albugo candida is a facultative parasite. Which of the statements given above is/are 34. Correct? 0 (a) 1 only (b) 2 only Both 1 and 2 (c) Neither 1 nor 2 (d) (a) 31. Match List I with List II and select the correct (b) answer using the code given below the Lists: (c) List II (d) (Common Name) (Zoological Name) • 🔫 35. Mango stem 1. Cryptorrynchus borer mangiferae S **(** B. Mango nut 2. Dacus dorsalis (a) weevil C. Mango fruit fly 3. Batocera (b) (c) rufarnaculata (d) Mango mealy Drosicha D. 4. mangiferae bug 36. Code: В C Α D (a) 2 (a) 3 1 4 (b) (b) 3 2 1 4 (c) (c) 4 1 2 3 (d) (d) 2 37. 32. Consider the following statements: Pheromones are secreted by the endocrine glands. (a) 2. Sex pheromones are released by both (b) male female insects. (c) Which of the statements given above is/are (d) Correct? **3**8. (a) 1 only 2 only (b) Both 1 and 2 (c) (a) Neither 1 nor 2 (d) (b)

Match List I with List II and select the correct answer using the code given below the Lists:

List I List II (Nematode) (Scientific Name) Root-knot Heterodera nematode rostochinensis Citrus Pratylenchussp. nematode Cyst form Meloidogyne incognita nematode **Tylenchus** Root-lesion semipenetrans nematode n

Code:

	^	D	C	U
(a)	2	4	1	3
(a) (b)	2	1	4	3
(c) (d)	3	4	1	2
(d)	3	1	4	2

According to Schofields ratio law, upon dilution of Na⁺ concentration by 4 times, the absolute concentration of Ca + Mg must decrease by how many times so that ratio of the cations absorbed on the colloid surface of the soil remains unchanged?

- 8
- 12

At a particular point on a classical production function graph, the magnitudes of TPP, APP and MPP are 18, 6 and 7 respectively. What would be the E_p (Elasticity of production) at this point?

- 3
- 2.57
- 1.16
- 0.85

In which type of unemployment marginal productivity of labour is zero?

- Structural unemployment
- Disguised unemployment
- Seasonal unemployment
- Frictional unemployment

What do you call the price which ensures the same purchasing power per unit to the farmer as was prevalent during a specified base period?

- Minimum Support price
- Fixed Administered price
- Remunerative price
- Parity price

What is the cause for downward shift in the demand curve for an agricultural commodity?

- Fall in its price
- Rise in the price of substitute
- (c) Fall in the price of complement
- (d) Rise in the price of complement

(d)

Ridge line

Civil Service Examination: Agriculture question paper 2009

39. What was the development model used for the 45. The economy in which allocation of resources is dependent totally on the working of price second Five year plan? Harrod-Domar model mechanism is termed (a) (b) Mahalanobis model **Planned** (a) (c) Tobin model Mixed economy (b) (d) Cobb-Douglas model (c) Market economy Traditional economy (d) 40. As a country progresses, the relative share of agriculture in the National Income is expected 46. A rise in the price of one good causes fall in the to demand for another good. These two are called (a) Remain the same as (b) Increase Identical goods (a) (c) Decrease Complementary goods (b) (d) Surpass industry (c) Substitutes 1 (d) Giffen goods A main cause of year to year fluctuation in 41. prices of agricultural commodity is 47. A rise in the income of consumers causes a Change in demand (a) decrease in demand for a commodity. What are Long term trend in price (b) S such goods called? (c) Business cycle in agricultural production Superior goods (a) Change in supply due to weather (d) Inferior goods (b) 0 related factors Normal goods (c) Substitute goods (d) Match List I with List II and select the correct 42. answer using the code given below the Lists: 48. Under which cost concept rental value of owned List I List II land is included while working out minimum support prices for agricultural commodities by A. Principle of Substitution ratio of 1. commission on Agricultural costs and prices? variable product = Cost A₁ (a) proportion price ratio Cost B₁ (b) Cost B₂ (c) B. Principle of 2. Iso-quant curve (d) Cost C₃ combining intersects with Isoenterprises cost line 49. Consider the following statements: C. Opportunity 3. Marginal Revenue MPP is inversely related to MC. 1. = Marginal cost cost principle 2. MPP is always greater then APP. D. Principle of Equi-marginal 3. When MPP increases, MC also increases. Factor returns from the 4. Total Fixed Cost remains constant, as substitution use of limited out put increases. resources Which of the above statements correctly Code: Indicate/indicates the relationship between В C Α D production and costs? (a) 3 1 4 2 1 and 2 (a) 2 3 (b) 1 4 (b) 3 only 3 2 (c) 4 1 2 and 4 (c) (d) 2 4 1 3 1 and 4 (d) 43. Producers are reduced to the level of absolute 'price takers' under which type of market? 50. Consider the following elements: Perfectly competitive market (a) 1. Aluminium Monopoly market (b) 2. Iron Oligopoly market 3. Oxygen (c) **Duopoly market** (d) 4. Silicon In terms of their contents present in the Earth's 44. A line or curve connecting the least cost crust in descending order, what is the sequence combinations of inputs for different levels of of the above elements? output is referred to as 2 - 4 - 3 -1 (a) (a) Expansion path (b) 2 - 3 - 4 - 4 Isoquant 3 - 4 - 1 - 2 (b) (c) (c) Iso-cost line (d) 3 - 1 - 4 - 2

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- 51. The specific surface area of clay minerals in soil varies from one to another, especially for the following clay minerals:
 - 1. Kaolinite
 - 2. Montmorillonite
 - 3. Illite
 - Vermiculite 4.

In terms of specific surface area of the above clay minerals in soil, in descending order, what is the correct sequence?

- 4 2 3 1 (a)
- 1 3 2 4 (b)
- 4 3 2 1 (c)
- (d) 1 - 2 - 3 - 4
- 52. What is the predominant mechanism of transport of Zn to plant roots?
 - Mass flow (a)
 - (b) Diffusion
 - (c) contact exchange
 - Root interception (d)
- 53. Which one of the following is the formula for calculating "percentage pore space"?
 - $\frac{\text{Bulk density}}{\text{Particle density}} \times 100$ (a)
 - Bulk density × 100 (b) Particle density
 - $\frac{\text{Particle density}}{\text{Bulk density}} \times 100$ (c)
 - Particle density × 100 (d) **Bulk density**
- 54. what is the sequence of textual classes of soils arranged in increasing order of coarseness?
 - Loam, silt loam, sandy loam, loamy sand
 - Silt loam, sandy loam, loamy sand, loam (b)
 - (c) Silt loam, loam, sandy loam, loamy sand
 - (d) Loamy sand, loam, sandy loam, silt loam
- 55. Cation exchange capacity generally increases as the soil pH
 - (a) stabilizes
 - (b) increases
 - (c) decreases
 - (d) attains neutrality
- 56. Match List I with List II and select the correct answer using the code given below the Lists:

List	ı
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List II

(Soil moisture constant)

- Capillary water
- Α.
- B. Hygroscopic water
- C. Ground water
- D. Gravitational water
- (pF value)
- 1. Tension free
- 2. 0 to 2.5
- 3. 2.2 to 4.5
- 4. 4.5 to 7.0

Code:

	Α	В	С	D
(a)	3	4	1	2
(b)	3	1	4	2
(c)	2	4	1	3
(d)	2	1	4	3

A major cause for formation of saline and sodic soils is

- (a) Intensive use of the land
- (b) Inadequate presence of gypsum in soil
- Inadequate presence of lime in soil (c)
- (d) Poor soil drainage (both surface and internal)

Consider the following statements:

- A fine-textured acid soil requires much larger quantity of lime than does a sandy soil or a loamy soil with the same pH value.
- 2. One molecule of calcium oxide, magnesium oxide or calcium hydroxide neutralizes the same amount of acidity as does one molecule of calcium carbonate.

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

The P-deficiency symptom visible on foliage of cereal crops is

- General yellowing of young leaves (a)
- Development of reddish brown or (b) purple colour on older leaves
- Marginal scorching of older leaves (c)
- (d) Interveinal chlorosis of young leaves

Match List I with List II and select the correct answer using the code given below the Lists:

List I List II (Available Nutrient) (Extractant) Boron 0.15% CaCl₂ solution B. Nijtrogen 2. Hot water C. Sulphur 3. Alkaline KMnO₄ Code:

Α В С 2 1 3 (a) 3 2 (b) 1 2 3 1 (c) 3 2 1 (d)

Which one among the following is a good indicator plant for K deficiency?

- Maize (a)
- (b) Cauliflower
- (c) Potato
- Lettuce (d)

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- 62. Consider the following:
 - 1. Bacteria
 - Grain straw
 - 3. Clover residues
 - 4. Soil humus

What is the ascending order of C:N ratio in the above materials?

- (a) 1 2 3 4
- (b) 4 3 1 2
- (c) 1 4 3 2
- (d) 4 1 3 2
- 63. Consider the following statements:

The application of bulky organic manure to soil is advantageous because it

- 1. Increases C/N ratio of soil and thus favour mineralisation of organic nutrient pools.
- 2. Reduces phosphate fixation by soil.
- 3. Favours rapid release of nutrients from the incorporated organic pools.

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 2 and 3 only
- (c) 1, 2 and 3
- (d) 2 only
- 64. Match List I with List II and select the correct answer using the code given below the Lists:

List I (Nutrients)

B.

List II

(Polluting effect)

- A. Nitrate-N
- 1. Euteophication
- Methemoglobinemia
- C. Nitrogen and Phosphorus

Nitrous oxide

- 3. Özone layer
- D. Cadmium as contaminant in zinc and phosphatic

fertilizers

4. Heart and kindney diseases

Code:

	Α	В	C	D
(a)	2	1	3	4
(b)	2	3	1	4
(c)	4	1	3	2
(d)	4	3	1	2

- What is the commercial potash fertilizer preferred for tobacco crop?
 - (a) K_2SO_4
 - (b) KCI
 - (c) K_2CO_3
 - (d) $KMnO_4$
- 66. Consider the following:
 - 1. Zinc sulphate monohydrate
 - 2. Zinc phosphate
 - 3. Zinc oxide
 - 4. Zn-EDTA

- Based on the content of Zn, what is the sequence of the above materials in descending order?
- (a) 3 1 4 2
- (b) 3 2 1 4
- (c) 2 1 3 4
- (d) 2 4 3 1

Consider the following statements:

- Potassium is absorbed by plant as K⁺ ions.
- 2. Potassium is essential to photosynthesis to take place.
- 3. Potassium is involved in activation of enzymes important to energy utilization.

Which of the statement given above are correct?

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) 1, 2 and 3

Consider the following:

- 1. Ammonium Nitrate
- 2. Potassium Nitrate
- Sodium Nitrate
- 4. Urea

What is the correct sequence of the above fertilizers in ascending order based on their salt index per unit of Nitrogen content?

- (a) 4 1 2 3
- (b) 4 2 1 3
- (c) 3 2 4 1
- (d) 3 2 1 4

Match List I with List II and select the correct answer using the code given below the Lists:

List I		List	List II		
(Name of the		(Are	(Area of work)		
Scie	entist)				
Α.	Jones	1.	Law of homologous		
			series in variation		
B.	Tysdal	2.	Poly-cross test		
С.	Muller	3.	Double cross maize		
			hybrids		
D.	Vavilov	4.	X-ray induced		
			mutations		

Code:

	Α	В	С	D
(a)	1	3	4	2
(b)	3	2	4	1
(c)	1	4	3	2
(d)	3	4	2	1

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70.	Match List I with List II and select the correct
	answer using the code given below the Lists:

answer using the code given below the Lists:					
List I			List	H	
(Cro	op)		(Cer	(Centre of Origin)	
A.	Barley		1.	South America	
B.	Potato)	2.	Abyssynia	
C.	Chick-pea		3.	China	
D.	Soybean		4.	Mediterranean	
Code	e:				
	Α	В	С	D	
(a)	3	4	1	2	
(b)	2	1	4	3	
(c)	2	1	1	3	

- 71. With reference to domestication of crop plants, consider the following statements:
 - Under the domestication the variability generated by spontaneous mutation, natural hybridization and polyploidy were selected by man to suit his needs.
 - 2. The extent of genetic variability substantially increased due to selection.

Which of the statements given above is/are? correct?

(a) 1 only

(d)

- (b) 2 only
- (c) Both 1 and 2
- Neither 1 nor 2 (d)
- 72. Primula is an ideal example of heteromorphic sporophytic system of incompatibility, where two types of flowers, pin and thrum, are observed. The compatible mating is observed in the crosses of
 - Pin × Pin flowers (a)
 - Thrum × Thrum flowers (b)
 - (c) Pin × Thrum flowers or its reciprocals
 - In all possible combinations (d)
- 73. Plant breeders manipulate sterility and floral morphology to take advantage of hybrid vigour. Which of the basic methods listed below are utilized for this purpose?
 - Genetic male sterility 1.
 - 2. Self incompatibility
 - 3. **Induced mutation**
 - Hybridization 4.
 - Cytoplasrnjc male sterility

Select the correct answer using the code given below:

- (a) 1, 2 and 4 only (b) 1, 2 and 5 only
- 3, 4 and 5 only (d) 1, 2, 3, 4 and 5 (c)
- Match List Liwith List II and select the correct 74.

iviaic	iviatori List i witti List ii ariu select the correc				
answer using the code given below the Lists					
List I		List II			
(Mechanism)		(Crop)			
A.	Cleistogamy	1. Barley			

- B. Chasmogamy C. Protogyny
- 2. Rice 3. Bajra
- D. **Protandry**
- Maize 4.

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CO	7a
CU	uc.

	Α	В	С	D
(a)	1	2	3	4
(b)	1	3	2	4
(c)	4	2	3	1
(d)	4	3	2	1

Match List I with List II and select the correct answer using the code given below the Lists:

List	t I	List	: II	
(Breeding		(Bre	(Breeding Method)	
Obj	ective)		-	
A.	Exploitation of variability present in farmers' varieties	1.	Backcross	
В.	Creation of new variability	2.	Pedigree selection	
C.	Isolation of new combinations of genes	3.	Pure line selection	
D.	Correction of specific defect in an adapted variety	4.	Mutation	
	-	5.	Polyploidy	

Code:

	-			
	Α	В	С	D
(a)	3	4	1	2
(b)	5	3	1	2
(c)	3	4	1	2
(d)	5	3	2	1

When both additive and non-additive geneeffects are important in the expression of a trait, the most appropriate selection scheme is

- Pure-line selection (a)
- (b) Mass selection
- Simple recurrent selection (c)
- (d) Reciprocal recurrent selection

With reference to self-incompatibility, consider the following statements:

- Sporophytic system of selfincompatibility is governed by a single gene with multiple alleles.
- The incompatibility reaction of pollen is 2. governed by the genotype of the plant on which pollen is produced.
- The 'S' alleles are responsible for 3. sporophytic incompatibility.
- 4. Failure of pollen germination on stigma, slow pollen tube growth after pollination are some of the reasons for this selfincompatibility.

Which of the statements given above are correct?

83.

(d)

84.

85.

86.

1

3

- (a) 1, 2 and 3 only
- (b) 2, 3 and 4 only
- (c) 1 and 4 only
- (d) 1, 2, 3 and 4
- 78. The outbreeding individuals suffer from inbreeding depression when subjected to close mating. In which of the following types of mating, the inbreeding depression will be acute?
 - (a) Genetic assortative mating
 - (b) Phenotypic assortative mating
 - (c) Genetic disassortative mating
 - (d) Phenotypic disaddortative mating
- 79. Single Seed Descent (SSD) is a modification of which one of the following methods of selection?
 - (a) Pure line
 - (b) Mass
 - (c) Bulk
 - (d) Recurrent
- 80. Commercial hybrid seed production in cotton in our country has been possible due to which one of the following reasons?
 - (a) Availability of male-sterile lines
 - (b) Pressure of self-incompatibility system
 - (c) Large-scale hand emasculation and pollination
 - (d) Entomophily of flowers
- 81. Consider the following statements regarding synthetic varieties:
 - 1. Parental materials are always inbred lines.
 - 2. Open pollinated materials are also used as parental lines.
 - 3. There is no limit on the number of parental lines used.
 - 4. Parental lines are always tested for their combining ability.

Which of the statements given above are correct?

- (a) 1 and 2
- (b) 2 and 4
- (c) 1 and 4
- (d) 3 and 4
- 82. Performance of a double-cross hybrid can be predicted by taking the average performance of
 - (a) The inbreds involved in making the double cross
 - (b) All the single crosses to be used in making the double cross
 - (c) The four non-parental single crosses obtained from the four inbreds
 - (d) All the single crosses produced from the four inbreds

Match List I with List II and select the correct answer using the code given below the Lists:

List	: I		List II					
(Na	me of th	ne crop)	(Name of the hybrid					
			variety)					
Α.	Pearl I	Millet	1.	CSH-1				
	(Bajra)						
B.	Maize	•	2.	Pusa RH-10				
C.	Basma	iti Rice	3.	HB-1				
D.	Sorgh	um	4.	Ganga-1				
Code:								
	Α	В	С	D				
(a)	1	2	4	3				
(b)	3	4	2	1				
(c)	1	4	2	3				

Match List I with List II and select the correct answer using the code given below the Lists:

	J		J						
Lis	t I		List	List II					
(Cro	op)		(Var	(Varieties)					
A.	Wheat		1.	Bikaneri Nar	ma				
B.	Rice		2.	Agrani					
C.	Mustaro	b	3.	Swarna					
D.	Cotton		4.	HD-2687					
Code	e:								
	Α	В	С	D					
(a)	1	2	3	4					
(b)	1	3	2	4					
(c)	4	3	2	1					
(d)	4	2	3	1					

Consider the following statements:

The backcross method of breeding can be used for

- 1. Intervarietal transfer of simply inherited characters.
- 2. Intergeneric transfer of simply inherited characters.

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

With reference to pure line selection in self-pollinated crops, consider the following statements:

- 1. Pure line selection is essentially based on the genotype of the plant.
- 2. it is effective only for heritable differences.
- 3. It is ineffective in creating new variations.

Which of the statements given above are correct?

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) 1, 2 and 3

				Examination: 7	.9		- 40		Раро			
87.	Consi	der the following	j plan	ts:			Cod	e:				
	1.	Mussaenda co	rymb	osa				Α	В	С	D	
	2.	Lonicera japor	nica				(-)					
	3.	Lagerstoemia		a			(a)	2	4	1	3	
	4.	Pyrostegia ver					(b)	3	1	4	2	
	Which			amental climbers?			(c)	2	1	4	3	
	(a)	1 and 2 only					(d)	3	4	1	2	
	(b)	2 and 4 only					(u)	J	4	'	2	
	(c)	1 and 3 only										
	(d)	1, 2, 3 and 4			94		Resis	stant sou	ırce for ۱	/irus ir	n papaya b	reeding is
	()	., _,			. —		(a)	Cario	a monoi	ca		
88.	Praga	ti is a highly yield	ding o	clone of	•		(b)		a canda		ncic	
	(a)	Lemon grass			+						11313	
	(b)	Patchouli			(۵)		(c)	Caric	a pentaç	gona		
	(c)	Citronella					(d)	Cario	a microd	carpa		
	(d)	Palmarosa										
00	F		. 6-11-		• 95		Pana	va cultiv	ars 'Pus:	a Delic	ious' and '	Pusa
89.		which one of the		0.		•		esty' are	ars rus	a Delic	ious and	i usa
		na arvensis is the			S		-	•				
		ining menthol is	optaii	nea?			(a)	Anar	omonoe	cious		
	(a)	Green leaves			(1)		(b)	Gynd	odioeciou	IS		
	(b)	Dry leaves					(c)	Herm	naphodit	е		
	(c)	Fresh roots	•		Q		(d)	Dioe	-			
	(d)	Semi dried fol	iage				(u)	Dioci	cious			
90.	Consi	der the following	1.		96		Vene	atative na	arthenoc	arny i	s seen in w	which one
70.	1.	Lime	, .					e followi				WHICH OHC
	2.	Leguminous c	rons									
	3.	Papaya	торз				(a)		•	ealess	grape an	d seed-less
	4.	Sapota						guav				
			ter-cr	ops can be grown	-		(b)	Bana	ina and I	Pineap	ple	
				l in mango orchard?	•—		(c)	Papa	ya and J	lackfru	ıit	
	(a)	1 and 2	JCHOO	ini mango orchara:	+		(d)	-	go and L			
	(b)	3 and 4			S		(u)	Mari	jo ana L	itoiii		
	(c)	1 and 4			97		Matc	h List L	with List	II and	select the	correct
	(d)	2 and 3			0)"						n below th	
	(u)	2 414 5						_	ine cou	_		ic Lists.
91.	Which	one of the follo	wing	varieties of rose is			Lis			List		
		oped by CIMAP (ol		(So	urce)		(De	rivative)	
	extra	ction?					Α.	Centell	la	1.	Emotine	
	(a)	Noorjahan			•			asiatica	a			
	(b)	Raktagandha			\geq		B.	Ammi	maius	2.	Forskholi	n
	(c)	Dr. B. P. Pal					C.		-	3.	Vellarine	
	(d)	Montezuma			\geq			Ipecac				
							D.	Medicii	nal	4.	Xanthoto	xin
92.	'Cordi	al' is prepared fr	om th	ne fruits of	\geq			coleus				
	(a)	Mango					Cod	e:				
	(b)	Litchi						Α	В	С	D	
	(c)	Lime					(2)					
	(d)	Bael					(a)	2	1	4	3	
							(b)	3	4	1	2	
93.				select the correct	9		(c)	2	4	1	3	
			-	n below the Lists:			(d)	3	1	4	2	
	List		List				(~)	Ü	•	•	_	
	(Cro	p)	-	thod of hybrid seed	98	١.	The	sex form	of wate	ermelo	n is	
	_		•	duction)	4	-						
	Α.	Brinjal	1.	Genetic male			(a)		oecious			
				sterility			(b)	Dioe	cious			
	B.	Chilli	2.	Self incompatibility			(c)	Herm	naphrodi	te		
	C.	Crcumber	3.	Functional male			(d)		omonoe			
	_			sterility			(~)	,				
	D.	Cabbage	4.	Gynoecy								
					. 40 -64	10						

99.	Match	ı List I v	vith List	II and	select the correc	t 104.	To w	hich family does	Jasmin	ne belong?
	answ	er usina	the cod	e aive	n below the Lists:		(a)	Orchidaceae	(b)	Tridaceae
		List I List II					(c)	Nyctaginceae	(d)	Oleaceae
		nmon N	ame)		ecies)		(0)	Tyotagiiloodo	(4)	0.000000
	A.	Brazilia	•	1.	Psidium montan	um 105.	Peac	h yellow disease	is caus	ed by
	71.	guava		٠.	i sididili illolitali	100.	(a)	Nitrogen defic		ica by
	D	•	orry	2	Psidium	1		Plant viruses	lericy	
	В.	Strawb	erry	2.			(b)			
	0	guava	2'	0	friedrichsthalian	4	(c)	Phytoplasma		
	C.	Costa F		3.	Psidium guinens	se 🛏	(d)	Bacteria		
		(or) Ch	iina			• —				
		guava				106.			caused	by Colletotrichum
	D.	Mounta	ain	4.	Psidium catteiar	num	sp. c	an be seen in		
		guava				7	(a)	Banana	(b)	Chillies
	Code	: :				0	(c)	Mango	(d)	Tomato
		Α	В	С	D					
	(a)	1	2	4	3	- 107	Whic	h one of the follo	wing p	pairs is correctly
	(b)	1	4	2	3	•		hed?	٠.	·
	(c)	3	4	2	1		(a)	Mango :	Gall	midge Green
	(d)	3	2	4	1	S	()			opper, Bakanase
	()	_	_	-	•	\leftarrow	(b)	Potato :		k scurf, Black wart,
100.	Match	ı List I v	vith List	II and	select the correc	t	(6)	rotato .		k heart
	answ	er usina	the cod	e aive	n below the Lists:	, O	(c)	Rice :		
	List			List			(c)	RICE .		gro, Golden
		t stock)			it Crop)					atode, Orobanche
	A.	Malling		1.	Sapota	ಡ	<i>(</i> 1)	0	sp.	1' NA 1C 1'
	В.	Salt cre		2.	Mandarin		(d)	Sugarcane :		k tip, Malformation,
	В. С.	Manilka				9			Meal	y bug
	C.			3.	Apple					
	ь.	hexand		4	0	= 108.				at the tillering stage,
	D.	Citrang	je	4.	Grapes		patch	ny, stunted growt	h was	observed. Critical
	Code						close	observation reve	ealed tl	hat the plants had
		Α	В	С	D	•—	poor	tillering and grow	vth. Th	ne lower leaves had
	(a)	3	1	4	2	+				es and shapes and
	(b)	2	4	1	3	7.0				
	(b) (c)	2 2	4 1	1 4	3	\sim	the y	ounger leaves sh	owed i	interveinal chlorosis.
						S	the y	ounger leaves sh lisease was not ir	owed increasi	interveinal chlorosis. ng, indicating the
	(c)	2	1 4	4	3	O	the y the c synd	ounger leaves sh lisease was not ir rome is due to so	owed increasi ome nu	interveinal chlorosis. ng, indicating the itritional disorder.
101.	(c)	2	1 4	4	3		the y the c synd Whic	rounger leaves sh lisease was not ir rome is due to so th one of the follo	owed increasi ome nu	interveinal chlorosis. ng, indicating the
101.	(c)	2	1 4 ne is	4	3	O	the y the c synd Whice the s	vounger leaves shallisease was not in rome is due to so the one of the followyndrome?	nowed increasion ome nu owing r	interveinal chlorosis. ng, indicating the itritional disorder.
101.	(c) (d) Lanci	2 3 ng is do	1 4 ne is na	4	3	O	the y the c synd Whic	rounger leaves sh lisease was not ir rome is due to so th one of the follo	nowed increasion ome nu owing r	interveinal chlorosis. ng, indicating the itritional disorder.
101.	(c) (d) Lancii (a)	2 3 ng is do Bana	1 4 ne is na y	4	3	O	the y the c synd Whice the s	vounger leaves shallisease was not in rome is due to so the one of the followyndrome?	nowed increasione nu nome nu nowing r	interveinal chlorosis. ng, indicating the itritional disorder.
101.	(c) (d) Lanci (a) (b) (c)	2 3 ng is do Bana Popp Cinch	1 4 ne is na y	4	3	O	the y the c synd Whice the s (a)	vounger leaves shalisease was not in rome is due to so the one of the followyndrome? Zinc deficiency Nitrogen deficient	nowed increasing me nu bowing response.	interveinal chlorosis. ng, indicating the itritional disorder.
	(c) (d) Lanci (a) (b)	2 3 ng is do Bana Popp Cinch	1 4 ne is na y nona	4	3	O	the synd Which the s (a) (b) (c)	rounger leaves shisease was not in rome is due to so the one of the followyndrome? Zinc deficiency Nitrogen deficiency d	nowed increasing me nu bowing response.	interveinal chlorosis. ng, indicating the itritional disorder.
101. 102.	(c) (d) Lancia (a) (b) (c) (d)	2 3 ng is do Bana Popp Cinch Cauli	1 4 ne is na y nona	4	3 2	O	the y the c synd Whice the s (a)	vounger leaves shalisease was not in rome is due to so the one of the followyndrome? Zinc deficiency Nitrogen deficient	nowed increasing me nu bowing response.	interveinal chlorosis. ng, indicating the itritional disorder.
	(c) (d) Lancia (a) (b) (c) (d)	2 3 ng is do Bana Popp Cinch Cauli	1 4 ne is na y nona flower	4 1	3 2 ements:	O	the synd Which the s (a) (b) (c)	rounger leaves shisease was not in rome is due to so the one of the followyndrome? Zinc deficiency Nitrogen deficiency d	nowed increasing me nu bowing response.	interveinal chlorosis. ng, indicating the itritional disorder.
	(c) (d) Lancii (a) (b) (c) (d) Consi	2 3 ng is do Bana Popp Cinch Cauli der the Pump	1 4 ne is na y nona flower	4 1 g state	3 2 ements: linated.	M M 109.	the y the c synd Whice the s (a) (b) (c) (d)	vounger leaves shalisease was not in rome is due to so th one of the follow syndrome? Zinc deficiency Nitrogen deficiency Iron deficiency	nowed increasing the number of	interveinal chlorosis. ng, indicating the itritional disorder.
	(c) (d) Lancii (a) (b) (c) (d) Consi 1. 2.	2 3 ng is do Bana Popp Cinch Cauli der the Pump Lettu	1 4 ne is na y nona flower following okin is se ce is cro	4 1 g state elf-poll oss-pol	3 2 ements: linated. linated.	M M 109.	the synd Which the s (a) (b) (c) (d)	vounger leaves shisease was not in rome is due to so the one of the following deficience. Zinc deficience. Nitrogen deficience. Iron deficience. Iron toxicity.	nowed increasione nu ome nu owing r y ciency y	interveinal chlorosis. ng, indicating the itritional disorder. may be the cause of
	(c) (d) Lancil (a) (b) (c) (d) Consi 1. 2. Which	2 3 ng is do Bana Popp Cinch Cauli der the Pump Lettu	1 4 ne is na y nona flower following okin is se ce is cro	4 1 g state elf-poll oss-pol	3 2 ements: linated.	ww.que	the synd Which the s (a) (b) (c) (d)	rounger leaves shisease was not in rome is due to so the one of the following deficience. Zinc deficience. Nitrogen deficience. Iron deficience. Iron toxicity. h List I with List over using the code.	nowed increasione nu ome nu owing r y ciency y	interveinal chlorosis. ng, indicating the itritional disorder. may be the cause of select the correct below the Lists:
	(c) (d) Lancil (a) (b) (c) (d) Consi 1. 2. Which correct	2 3 ng is do Bana Popp Cinch Cauli der the Pump Lettu n of the ct?	1 4 ne is na y nona flower following bkin is se ce is cro stateme	4 1 g state elf-poll oss-pol	3 2 ements: linated. linated.	M M 109.	the y the c synd Whice the s (a) (b) (c) (d) Matce answ List	rounger leaves shisease was not in rome is due to so the one of the following deficience. Zinc deficience. Nitrogen deficience. Iron deficience. Iron toxicity. The List I with List wer using the code to so the sound in the code to so the sound in the code to so the sound in the sound i	nowed increasing the number of	interveinal chlorosis. ng, indicating the utritional disorder. may be the cause of select the correct he below the Lists:
	(c) (d) Lancil (a) (b) (c) (d) Consi 1. 2. Which correct (a)	2 3 ng is do Bana Popp Cinch Cauli der the Pump Lettu n of the ct? 1 onl	1 4 ne is na y nona flower following bkin is se ce is cro stateme	4 1 g state elf-poll oss-pol	3 2 ements: linated. linated.	M M 109.	the synd Which the s (a) (b) (c) (d) Match answ List (Vir	rounger leaves shisease was not in rome is due to so the one of the following deficience. Zinc deficience. Nitrogen deficience. Iron deficience. Iron toxicity. h List I with List wer using the code to I using the code to	nowed increasing the number of	interveinal chlorosis. ng, indicating the itritional disorder. may be the cause of select the correct h below the Lists: II nsmitted by)
	(c) (d) Lancil (a) (b) (c) (d) Consi 1. 2. Which correct (a) (b)	2 3 ng is do Bana Popp Cinch Cauli der the Pump Lettu n of the ct? 1 onl 2 onl	1 4 ne is na y nona flower following okin is se ce is cro stateme y	4 1 g state elf-poll oss-pol	3 2 ements: linated. linated.	M M 109.	the y the c synd Whice the s (a) (b) (c) (d) Matce answ List	rounger leaves shisease was not in rome is due to so the one of the following deficience. Zinc deficience. Nitrogen deficience. Iron deficience. Iron toxicity. h List I with List wer using the code to be a second of the code to be a	nowed increasing the number of	interveinal chlorosis. ng, indicating the utritional disorder. may be the cause of select the correct he below the Lists:
	(c) (d) Lancil (a) (b) (c) (d) Consi 1. 2. Which correc (a) (b) (c)	2 3 ng is do Bana Popp Cinch Cauli der the Pump Lettu n of the ct? 1 onl 2 onl Both	1 4 ne is na y nona flower following okin is se ce is cro stateme y y 1 and 2	4 1 g state elf-poll ents giv	3 2 ements: linated. linated.	M M 109.	the synd Which the s (a) (b) (c) (d) Match answ List (Vir	rounger leaves shisease was not in rome is due to so the one of the following deficience. Zinc deficience. Nitrogen deficience. Iron deficience. Iron toxicity. h List I with List over using the code to be code to be compared to be considered. Cucumber green mottle.	nowed increasing the number of	interveinal chlorosis. ng, indicating the itritional disorder. may be the cause of select the correct h below the Lists: II nsmitted by)
	(c) (d) Lancil (a) (b) (c) (d) Consi 1. 2. Which correct (a) (b)	2 3 ng is do Bana Popp Cinch Cauli der the Pump Lettu n of the ct? 1 onl 2 onl Both	1 4 ne is na y nona flower following okin is se ce is cro stateme y	4 1 g state elf-poll ents giv	3 2 ements: linated. linated.	M M 109.	the y the c synd Whice the s (a) (b) (c) (d) Matce answ List (Vir	rounger leaves shisease was not in rome is due to so the one of the following deficience. Zinc deficience. Nitrogen deficience. Iron deficience. Iron toxicity. h List I with List ver using the code to I using the code to I us.) Cucumber green mottle mosaic virus.	nowed increasione nu owing r y ciency y II and e given List (Trai	interveinal chlorosis. ng, indicating the itritional disorder. may be the cause of select the correct he below the Lists: II nsmitted by) White fly
102.	(c) (d) Lancil (a) (b) (c) (d) Consi 1. 2. Which correc (a) (b) (c) (d)	2 3 ng is do Bana Popp Cinch Cauli der the Pump Lettu n of the ct? 1 onl 2 onl Both Neith	1 4 ne is na y nona flower following bkin is se ce is cro stateme y y 1 and 2 er 1 nor	g state elf-poll ss-pol ents giv	aments: inated. linated. ven above is/are	M M 109.	the synd Which the s (a) (b) (c) (d) Match answ List (Vir	rounger leaves shisease was not in rome is due to so the one of the following deficience. Zinc deficience. Iron deficience. Iron toxicity. h List I with List ver using the code to I with the code to	nowed increasione nu owing r y ciency y II and e given List (Trai	interveinal chlorosis. ng, indicating the itritional disorder. may be the cause of select the correct h below the Lists: II nsmitted by)
	(c) (d) Lancil (a) (b) (c) (d) Consi 1. 2. Which correc (a) (b) (c) (d) Consi	2 3 ng is do Bana Popp Cinch Cauli der the Pump Lettu n of the ct? 1 onl 2 onl Both Neith der the	1 4 ne is na y nona flower following okin is se ce is cro stateme y 1 and 2 er 1 nor following	g state elf-poll oss-pol ents give	3 2 ements: inated. linated. ven above is/are	M M 109.	the y the c synd Whice the s (a) (b) (c) (d) Matce answ List (Vir	rounger leaves shisease was not in rome is due to so the one of the following deficience. Zinc deficience. Nitrogen deficience. Iron deficience. Iron toxicity. h List I with List in wer using the code to be a comparable of the code to be a code	nowed increasione nu owing r y ciency y II and e given List (Trai	interveinal chlorosis. ng, indicating the itritional disorder. may be the cause of select the correct he below the Lists: II nsmitted by) White fly
102.	(c) (d) Lanci (a) (b) (c) (d) Consi 1. 2. Which correc (a) (b) (c) (d) Consi 1.	2 3 ng is do Bana Popp Cinch Cauli der the Pump Lettu n of the ct? 1 onl 2 onl Both Neith der the Cauli	1 4 ne is na y nona flower following okin is se ce is cro stateme y 1 and 2 er 1 nor following flower is	g state elf-poll ess-pol ents give	and a sements: inated. linated. ven above is/are ements: crop.	M M 109.	the y the c synd Whice the s (a) (b) (c) (d) Matce answ List (Vir A.	rounger leaves shisease was not in rome is due to so the one of the following deficience. Zinc deficience. Nitrogen deficience. Iron deficience. Iron toxicity. h List I with List wer using the code to the	nowed increasing the number of	interveinal chlorosis. ng, indicating the itritional disorder. may be the cause of select the correct h below the Lists: II nsmitted by) White fly Thrips
102.	(c) (d) Lancil (a) (b) (c) (d) Consi 1. 2. Which correc (a) (b) (c) (d) Consi 1. 2.	ang is do Bana Popp Cinch Cauli der the Pump Lettu n of the ct? 1 onl 2 onl Both Neith der the Cauli Bitter	1 4 ne is na y nona flower following okin is se ce is cro stateme y y 1 and 2 rer 1 nor following flower is gourd i	g state elf-poll ents given g state rabi c s a kh	and a sements: linated. linated. ven above is/are ements: crop. arif crop.	M M 109.	the y the c synd Whice the s (a) (b) (c) (d) Matce answ List (Vir	rounger leaves shisease was not ir rome is due to so the one of the following of the follow	nowed increasing the number of	interveinal chlorosis. ng, indicating the itritional disorder. may be the cause of select the correct he below the Lists: II nsmitted by) White fly
102.	(c) (d) Lancil (a) (b) (c) (d) Consi 1. 2. Which (c) (d) Consi 1. 2. Which (c) (d) Consi 1. 2. Which	2 3 ng is do Bana Popp Cinch Cauli der the Pump Lettu n of the ct? 1 onl Both Neith der the Cauli Bitter n of the	1 4 ne is na y nona flower following okin is se ce is cro stateme y y 1 and 2 rer 1 nor following flower is gourd i	g state elf-poll ents given g state rabi c s a kh	and a sements: inated. linated. ven above is/are ements: crop.	M M 109.	the y the c synd Whice the s (a) (b) (c) (d) Matce answ List (Vir A.	rounger leaves shisease was not ir rome is due to so the one of the following of the follow	nowed increasing the number of	interveinal chlorosis. ng, indicating the itritional disorder. may be the cause of select the correct h below the Lists: II nsmitted by) White fly Thrips
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Mich one of the following pair ss not correctly matched?	<u> </u>						<u> </u>	445					
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(c) 3 2 1 4 (d) 3 1 2 4 110. Consider the following locusts: 1. Locustamigratoria 2. Patanga Succincta 3. Schistocerra gregaria Which of the above are found in India? (a) 1 and 2 only (b) 2 and 3 only (c) 1 and 3 only (d) 1, 2 and 3 111. Consider the following modes of bio-control of plant pathogens: 1. Mycoparasitism 2. Competition 3. Induction of systemic resistance When Trichoderma spp are used, which of the above are involved? (a) 1 and 2 only (b) 2 and 3 only (c) 1 and 3 only (d) 1, 2 and 3 only (d) 1, 2 and 3 only (e) 1 and 3 only (f) 2 and 3 only (g) 2 and 3 only (g) 1 and 2 only (h) 2 and 3 only (g) 2 and 3 only (g) 1 and 2 only (h) 2 and 3 only (g) 2 and 3 only (g) 3 a fine fine following is pasteuria penetrans? (a) A soil hyphomycete used in the biocontrol of soil-borne fungal diseases in orroller or or of known ematodes of potato 112. Which one of the following is pasteuria penetrans? (a) A fungus, a potential bio-control agent of Golden nematode of potato (b) Armantic List II and select the correct answer using the code given below the Lists: List II (Target Organism) (Pesticides) A Molluscs A Melluscs (a) Methoty List II and select the correct answer using the code given below the Lists: List II (Target Organism) (Pesticides (a) 3 2 1 (b) 2 1 1 2 3 (c) 2 1 1 3 3 (d) 1 2 3 (e) 2 1 3 4 (f) 2 1 2 7 (a) Infected cane setts used for sowing Organism organism organis									(a)				
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