

Examrace

Competitive Exams: Agriculture MCQs (Practice_Test 46 of 56)

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1. The condition in which a single gene influences more than one trait is known as
 - a. Epistasis
 - b. Pleiotropy
 - c. Polarity mutation
 - d. Phenocopy
2. Which of the following type (s) of male sterility is, or used in commercial seed production of double cross hybrid maize?
 - a. Cytoplasmic alone
 - b. Genetic alone
 - c. Cytoplasmic and genetic
 - d. Cytoplasmic and genetic with restorers
3. The composite variety has an advantage over the hybrid variety in respect of
 - a. Yield
 - b. Synthesis
 - c. Homogeneity
 - d. Seed production
4. Consider the following statements:
 - a. Wheat is self-illuminated.
 - b. Inbreeding depression is expected to be more pronounced in rapeseed than in mustard.
 - c. F1 seeds alone are used for cultivation in both hybrid and composite varieties.
 - d. Hybrid vigour is expected to be more pronounced in bajra than in Bengal gram

Of these statements

- a. 1, 2, 3 and 4 are correct

- b. 1 and 2 are correct
- c. 2, 3 and 4 are correct
- d. 1, 3 and 4 are correct

5. Consider the following statements: Triticale

- a. Is a cross between species of two different gener secale cereale ($2n = 14$) and Triticum vulgar ($2n = 42$)
- b. Is amphidiploid with 56 chromosomes.
- c. Has high degree of fertility.

Of these statements

- a. 1 and 2 are correct
- b. 1 arid 3 are correct
- c. 2 and 3 are correct
- d. 1.2 and 3 are correct

6. Efforts ar on in the Mexican wheat breeding programme to develop multilane varieties for greater genetic diversification to reduce rust infestation. What is the correct sequence of the following steps in the procedur adopted to develop a multilane variety?

- a. Choosing a commercially acceptable variety for the recurrent parent.
- b. Introducing concurrently, different genes for rust resistance into the recurrent variety by separate backcross programme.
- c. Composing 5 to 10 different backcross derived lines of the recurrent variety each with a different gene for rust resistance.
- d. Increasing the composite and growing as a commercial variety.

Select the correct answer using the codes given below:

- a. 3, 1, 2, 4
- b. 1, 3, 2, 4
- c. 1, 2, 3, 4
- d. 3, 2, 1, 4

7. Match List I (Crop) with List II (Variety) and select the correct answer:

List-I	List-II

A. Cauliflower	1. White Vienna
B. Cabbage	2. Golden acre
C. Knolkhol	3. Japanese white
D. radish	4. Dania

A B C D

a. 4 2 3 1

b. 4 2 1 3

c. 2 4 3 1

d. 2 4 1 3

8. Wheat is of

- a. Mediterranean origin
- b. Indian origin
- c. Mexican origin
- d. Chinese origin

9. The components of synthetic population and would have already been tested for

- a. Specific combining ability
- b. Genetic advance
- c. General combining ability
- d. Both general and specific combining ability

10. The popular variety, Ganga Safed-of maize is a

- a. Single cross hybrid
- b. Double cross hybrid
- c. 3 – y cross hybrid
- d. Double top cross hybrid

11. The mutation induced nullisomic variety of sugarcane is

- a. Co-04
 - b. Co-53
 - c. Co-7
 - d. Co-52
12. In pedigree method of breeding, single plants are selected in which one of the following generations?
- a. F5
 - b. F3
 - c. F2
 - d. F4
13. Pointed group (*Tricosanthes dioica*) is a
- a. Monoecious plant
 - b. Hermaphrodite plant
 - c. Dioecious plant
 - d. Polygamous plant
14. The family Anacardiaceae, to which mango belongs, contains a number of the plants of horticultural interest. List I contains List II with list II and select the correct answer:

List-I	List-II
A. Cashew	1. <i>Schinus molle</i>
B. Hog plum	2. <i>Buchanania latifolia</i>
C. Small nut (Chiranjivi)	3. <i>Spondias mangifera</i>
D. Pepper-ee	4. <i>Anacardium occidentale</i>

A B C D

-
- a. 4 3 2 1
 - b. 3 2 1 4
 - c. 2 3 1 4
 - d. 3 4 1 2

15. Pusa Delicious a gynodioecious variety of papaya has which of the following sex form?

- a. Pistillate
- b. Staminate
- c. Hermaphrodite

Select the correct answer using the codes given below:

- a. 1 and 2
- b. 1 and 3
- c. 2 and 3
- d. 1, 2 and 3

16. Which of the following Reason/Reasons is/ar responsible for seedless ness in Pusa Bedana cultivar of water melon?

- a. Vines do not have male flowers.
- b. Male and female flower do not open at one time.
- c. Vines suffer from deficiency of boron.
- d. Cultivar is triploid in genetic constitution.

Select the correct answer using the codes given below:

- a. 1 and 2
- b. 2 and 3
- c. 3 and 4
- d. 4 alone

17. Which one of the following genetic factors is responsible for poor fruit set in custard apple?

- a. Heterostyly
- b. Dioceious nature
- c. Dichogamy
- d. Self-compatibility

8. Which of the following species are climbers?

- a. Beaumontia grandiflora
- b. Mussaendar erythrophylla
- c. Lontcer japonica
- d. Peltophorum ferrugineum

Select the correct answer using the codes given below:

- a. 1 and 2
- b. 2 and 3
- c. 1 and 3
- d. 3 and 4

19. Match List I with List II and select the correct answer:

List-I (Name of ornamental plants)	List-II (Colour of flowers)
A. Tabebuia chrusantha	1. red
B. Amherstia nobilis	2. Yellow
C. Monodor grandiflora	3. Bluish-rple
D. Jacaranda ocutiflora	4. Greenish-llow

A B C D

- a. 1 2 4 3
- b. 2 1 3 4
- c. 2 1 4 3
- d. 1 2 3 4

20. Which of the following pair are sets of an orchard crop and a good companion crop?

- a. Mango and papaya
- b. Brinjal and brinjal
- c. Sapota and sugarcane
- d. Banana and turmeric

Select the correct answer using the codes given below:

- a. 1 and 2
- b. 1 and 4
- c. 3 and 4
- d. 2 and 4

21. Which one of the following types of vegetable gardens normally has the highest crop intensity?

- a. Truck garden
- b. Kitchen garden
- c. Vegetable garden for processing
- d. Market garden

22. Match List I with List II and select the correct answer:

List-I (Fruit)	List-II (Vit. A/Carotene per 100 edible part)
A. ripe mango	1. 1710 IU
B. ripe papaya	2. 2020 IU
C. Persimmon (ripe)	3. 600 IU
D. Dates (ripe)	4. 4800 IU

A B C D

- a. 4 2 1 3
- b. 1 2 3 4
- c. 4 1 2 3
- d. 3 4 1 2

13. Match List I with List II and select the correct answer:

List-I (Crop)	List-II (Characteristic)
A. Tomato	1. Papain
B. Persimmon	2. Lycopine
C. Chillies	3. Soluble tannin
D. Papaya	4. Capsicin

A B C D

- a. 2 3 4 1
- b. 3 4 1 2
- c. 2 1 4 3
- d. 4 3 2 1

14. Match List I (Fruit crop) with List II (Physiological disorder during storage) and select the correct answer:

List-I	List-II
A. Apple	1. Cold scald
B. Peach	2. Bitter pit
C. Citrus	3. Chilling injury
D. Mango	4. Woolliness

A B C D

a. 3 2 4 1

b. 2 4 1 3

c. 3 4 1 2

d. 2 1 4 3

5. What is the correct sequence of the following steps in the preparation of pineapple jam?

a. Cooking the fruit

b. Addition of pectin

c. Addition of sugar

d. Boiling and removal of scum

Select the correct answer using the codes given below:

a. 1, 3, 4, 2

b. 3, 1, 4, 2

c. 1, 3, 2, 4

d. 3, 1, 2, 4

6. Match List I (Crop species) with List II (Serious disease) and select the correct answer:

List-I	List-II
A. rice	1. Green ear
B. Wheat	2. Bacterial leaf blight
C. Maize	3. Stalk rot
D. Bajra	4. Alter aria leaf blight

A B C D

a. 1 2 3 4

b. 2 3 1 4

c. 2 4 3 1

d. 4 3 2 1

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