

Examrace

Competitive Exams: Agriculture MCQs (Practice_Test 19 of 56)

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1. ◦ **Assertion (A):** During IXth Five Year Plan, mor emphasis was laid on diversification of agriculture.
 - **Reason (R):** Intensive agricultur in India has resulted in degradation of soil and loss of input efficiency.
 - a. Both A and R ar individually true and r is the correct explanation of A
 - b. Both A and R ar individually true but r is not the correct explanation of A
 - c. A is true but r is false
 - d. A is false but r is true
2. ◦ **Assertion (A):** Integrated farming system is an extremely profitable and sustainable enterprise.
 - **Reason (R):** In this ther is increased productivity, mor in come generation, accompanied by less employment and costly availability of animal protein with higher expenditure.
 - a. Both A and R ar individually true and r is the correct explanation of A
 - b. Both A and R ar individually true but r is not the correct explanation of A
 - c. A is true but r is false
 - d. A is false but r is true
3. ◦ **Assertion (A):** Ammonium sulphate fertilizer and calcium carbonate (liming material) should not be mixed together and kept for long.
 - **Reason (R):** Ammonium sulphate leaves behind residual acidity in the soil and the acid gets neutralized by calcium carbonate.
 - a. Both A and R ar individually true and r is the correct explanation of A
 - b. Both A and R ar individually true but r is not the correct explanation of A
 - c. A is true but r is false
 - d. A is false but r is true

- 4.◦ **Assertion (A):** Maize is a cross pollinated crop.
- **Reason (R):** Inprotogynous species pistils matur prior to the stamens.
 - a. Both A and R ar individually true and r is the correct explanation of A
 - b. Both A and R ar individually true but r is not the correct explanation of A
 - c. A is true but r is false
 - d. A is false but r is true
- 5.◦ **Assertion (A):** Germinated gram is used as prophylactic against scurvy.
- **Reason (R):** Germinated gram is a good source of Vitamin C.
 - a. Both A and R ar individually true and r is the correct explanation of A
 - b. Both A and R ar individually true but r is not the correct explanation of A
 - c. A is true but r is false
 - d. A is false but r is true
- 6.◦ **Assertion (A):** Post harvest losses in quantity and quality take place in horticultural crops between harvest and consumption.
- **Reason (R):** Fresh horticultural crops are living tissues which ar subject to continuous change after harvest.
 - a. Both A and R ar individually true and r is the correct explanation of A
 - b. Both A and R ar individually true but r is not the correct explanation of A
 - c. A is true but r is false
 - d. A is false but r is true
- 7.◦ **Assertion (A):** In India, the contribution of agricultur to GDP is 50%.
- **Reason (R):** India has emerged as the largest producer of coconut, areca nut, cashew nut, ginger and turmeric.
 - a. Both A and R ar individually true and R is the correct explanation of A
 - b. Both A and R ar individually true but r is not the correct explanation of A
 - c. A is true but r is false
 - d. A is false but r is true
8. Which one of the following is the correct sequence of events involved in gene action?
- a. replication-ranscription-Splicing-Translation

- b. replication-Splicing-Transcription-Translation
 c. replication-Translation-Transcription Splicing
 d. replication-Transcription-Translations-Splicing

9. Match List I (Scientists) with List II (Discoveries) and select the correct answer:

List-I	List-II
A. Griffith	1. Operon model
B. McClintock	2. Transformation model
C. Meselson and Stahl	3. Semi conservative DNA replication
D. Jacob and Monod	4. AC-system

A B C D

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

o. Match List I (Crops) with List II (Grosses) and select the correct answer

List-I	List-II
A. Brassica juncea	1. B nigr x B Oleracea
B. B napus	2. raphamus sativus x B oleracea
C. B carinata	3. B nigr x B campestris
D. raphanobrassica	4. B oleracea x B campestris

A B C D

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

11. Which is the most advantageous breeding procedure practiced in Crops where seedless fruits are more preferred than the seeded ones?

- a. Mutation breeding
- b. Distant hybridization
- c. Multiple cross breeding
- d. Polyploidy breeding

12. Consider the following statements: The eight centers of origin of crop plants were identified on the presumption that such areas would represent

- a. Maximum genetic diversity of that crop
- b. Maximum number of wild species & relatives of the crop
- c. Largest area under cultivation of that crop

Which of the statements given above are correct?

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

13. In-situ conservation is practiced to protect the wild flora from human interference. Which one of the following belongs to in-situ mode of conservation?

- a. Valley of flowers
- b. rain forests
- c. Herbarium
- d. Botanical gardens

14. Match List I (Crops) with List II (Fruit Types) and select the correct answer

List-I	List-II
A. Wheat	1. Pod
B. Pea	2. Siliqua
C. Mustard	3. Berry
D. Tomato	4. Caryopsis

A B C D

- a. 4 1 2 3
- b. 2 3 4 1
- c. 4 3 2 1
- d. 2 1 4 3
15. The normal curve in a population is maintained by selection of individuals around the population mean. While in nature this is maintained by
- Stabilizing selection
 - Disruptive selection
 - Directional selection
 - Frequency dependent selection
16. Self-illinated crops can be improved by using which of the following procedures?
- Pur line selection
 - Mass selection
 - Back-cross breeding
 - recurrent selection

Select the correct answer using the codes given below:

- 1 and 2
- 1 and 3

c. 1, 2 and 3

d. 2, 3 and 4.

17. Who first proposed recurrent selection for specific combining ability?

a. Lindquist

b. Darwin

c. Hull

d. Sprague

18. Castor hybrids in India are being commercially produced by utilizing

a. Cytoplasmic male-sterility

b. Self-compatibility

c. Hand emasculation and pollination

d. Pistillateness of the seed parent

19. Which one of the following indicates the main features of horizontal resistance?

a. It is controlled by polygene and it has path type specificity

b. It is controlled by polygene and it possesses path type non-specificity

c. It is controlled by Oligocene's and it has path type specificity

d. It is controlled by Oligocene's and it possesses path type non-specificity

20. Consider the following statements; Heterosis can be best explained by using

a. Dominance hypothesis

b. Over-dominance hypothesis

c. Epistemic gene interaction

d. Duplicate gene action

Which of the statements given above are correct?

a. 1 and 4

b. 1 and 3

c. 1, 2 and 3

d. 2, 3 and 4

21. Consider the following statements: The inbred lines are preferred to be parents of hybrid varieties because this leads to maximum
- Uniformity in hybrid
 - Heterosis in the hybrid
 - Heterogeneity and stability of hybrid

Which of the statements given above are correct?

- 1 and 2
 - 1 and 3
 - 2 and 3
 - 1, 2 and 3
22. In pearl millet, cross-pollination occurs because there is
- Protandry
 - Protogyny
 - Heterostyly
 - Self-compatibility
23. The basic difference between seed and grain is in
- Seed processing operations
 - Uniformity of population
 - Genetic purity
 - Seed treatment
24. Arrange the following fruits in the descending order of their production
- Mango
 - Citrus
 - Banana

Select the correct answer using the codes given below:

- 2--
- 1 – 3
- 3--

d. 2--

15. Match List I (Fruits) with List II (Type/Edible parts) and select the correct answer

List-I	List-II
A. Anjeer (Ficus)	1. Aril
B. Banana	2. Hesperidium
C. Litchi	3. Berry
D. Sweet Orange	4. Syconus

 A B C D

a. 2 1 3 4

b. 2 3 1 4

c. 4 1 3 2

d. 4 3 1 2

16. Which of the following fruit pigments are fat soluble?

a. Carotene

b. Anthocyanin

c. Lycopene

Select the correct answer using the codes given below:

a. 1 and 2

b. 1 and 3

c. 1, 2 and 3

d. 2 and 3

17. Which one of the following pair is correctly matched?

a. Cauliflower—Great lakes

b. Cucumber—Improved Japanese

c. Drumstick—PKM

d. Lettuce—Poinsett

8. Which one of the following fruit crops is commonly propagated through sexual method?

a. Litchi

b. Mango

c. Papaya

d. Guava

9. Which one of the following fruit crops is polyembryonic in nature?

a. Guava

b. Karonda

c. Pomelo

d. Grape

10. Which one of the following pair is correctly matched?

a. Litchi—Sapindaceae

b. Mango—Myrtaceae

c. Guava—Anacardiaceae

d. Papaya—Bromeliaceae

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