

Competitive Exams: Agriculture MCQs (Practice-Test 55 of 56)

1. • **Assertion (A):** The yield of two varieties may be different in spite of equal NAR
 - **Reason (R):** The dr weight of plant is directly related to yield.
 - a. Both A and R are true and R is the correct explanation of A
 - b. Both A and R are 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):** Environment plays a vital role in phenotypic expression of a metrical trait.
 - **Reason (R):** Phenotypic variance = genetic variance + environmental variance + variance due to genotype-environmental interaction.
 - a. Both A and R are true and R is the correct explanation of A
 - b. Both A and R are 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):** The traits which remain hidden for generations ar expressed unexpectedly. This situation is called ‘atavism’
 - **Reason (R):** The chance combination of genes allows a long suppressed hidden character to express.
 - a. Both A and R are true and R is the correct explanation of A
 - b. Both A and R are 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):** Papaya cultivation is preferred by marginal farmers.

- **Reason (R):** It provides higher income per unit area per unit area per unit time.
 - a. Both A and R are true and R is the correct explanation of A
 - b. Both A and R are 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):** In crop rotation, leguminous crops ar generally grown alternately with the main crops in different seasons.
 - **Reason (R):** Leguminous crops ad organic matter to the soil.
 - a. Both A and R are true and R is the correct explanation of A
 - b. Both A and R are 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):** Entophytic mite is an important insect pest of pigeon pea.
 - **Reason (R):** Pigeon pea sterility mosaic disease is transmitted by eriophyid mite.
 - a. Both A and R are true and R is the correct explanation of A
 - b. Both A and R are 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):** Phloem transpor of systemic fungicides is rare.
 - **Reason (R):** Systemic fungicides applied to the soil ar absorbed by roots and Tran located upwards.
 - a. Both A and R are true and R is the correct explanation of A
 - b. Both A and R are 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. Consider the following events in the economic development of India:

- a. Cooperative Movement
- b. Integrated rural Development Programme
- c. Land reforms
- d. Nationalization of Banks

The correct chronological sequence of these events is

- a. 3, 1, 4, 2
 - b. 1, 3, 2, 4
 - c. 1, 3, 4, 2
 - d. 3, 1, 2, 4
9. Which one of the following statements regarding the relationship between the economic development of a countr and the shar of the agricultur sector in the national income is correct?
- a. The larger the shar of agriculture sector in the national income of a country, the greater is the economic development
 - b. The mor developed a country, less is the shar of agricultur sector in the national income
 - c. The less developed a country, smaller is the shar of agricultur sector in the national income
 - d. The economic development of a countr bear no relationship to the contribution of agricultur sector to the national income.
10. Which one of the following is the most important factor to be taken into consideration while dividing the country into different agro ecological zones?
- a. Equalization of geographical area of the country
 - b. Equalization of population of the country
 - c. Output of different crops grown in the area
 - d. Soil and climatic conditions of the area suitable for different corps
11. Match List I (Crops) with List II (Herbicides recommended for selective weed control in crops) and select the correct answer using the codes given below the lists:

List-I

List-II

- | | |
|-----------|--------------|
| a. Wheat | a. Butachlor |
| b. Maize | b. 2.4 – D |
| c. Potato | c. Paraquat |
| d. rice | d. Simazine |

- | | <u>A</u> | <u>B</u> | <u>C</u> | <u>D</u> |
|----|----------|----------|----------|----------|
| a. | 2 | 4 | 3 | 1 |
| b. | 2 | 4 | 1 | 3 |
| c. | 4 | 2 | 3 | 1 |
| d. | 4 | 2 | 1 | 3 |

12. The input and output are related as $Y = a + bX + cX^2$. Which one of the following production functions is related to this equation?
- a. Spillman
 - b. Quadratic
 - c. Square-root
 - d. Cobb-Douglas
13. In a capital-scarce situation, where capital rationing is to be done and more investments are to be taken up in the future, the most suitable measure for assessing the suitability of the project will be
- a. Internal rate of return
 - b. Pay-back period
 - c. Net present value
 - d. Benefit-cost ratio
14. In working out the optimum combinations of two products under competitive enterprise relationship, the marginal rate of substitution of products (MRS) is equal to

- a. Number of units of replaced product Number of units of added product
- b. Number of units of added product Number of units of replaced product
- c. Number of units of replaced product Number of units of added cost
- d. Number of units of added product

Number of units of added cost

15. Match List I with List II and select the correct answer using the codes given below the lists:

List-I

List-II

- | | |
|--------------------------|---------------------------------------|
| a. Isoquant | a. Maximum output |
| b. ridge line | b. Budget |
| c. Zero-marginal product | c. Zero-marginal rate of substitution |
| d. Isocost line | d. Least cost combination |

A B C D

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

16. Consider the following data relating to a farm: Total assets rs. 12, 000 Working assets rs. 3, 200 Current assets rs. 6, 000 Current liabilities rs. 1, 800 Total liabilities rs. 3, 600 The net capital ratio in this case is

- a. 2.0
- b. 3.33
- c. 3.75

d. 6.67

17. Consider the following statements: Far budgets are used to

- a. Compare economic profitability of different production activities within or among the farms.
- b. Indicate whether a proposed change will be profitable under a given set of factors.
- c. Explore conditions under which certain farm practices become profitable or unprofitable.
- d. Consider complementary, supplementary and competitive relationships between enterprises.

Of these statements

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

18. In the given diagram, which one of the following segments illustrates a feasible zone in a linear programming problem?

- a. XPMO
- b. NrOX
- c. OXrQM
- d. NQMO

19. When members of a farming society cultivate their own land separately and they are helped by their society in the adoption of modern farming practices, it is known as

- a. Cooperative better farming
- b. Cooperative joint farming
- c. Cooperative tenant farming
- d. Cooperative collective farming

20. The concept of farming system is best explained by

- a. Sectoral planning approach

- b. Mixed farming approach
- c. Holistic farming approach
- d. Diversified farming approach

21. Which one of the following pair of states plays the most significant role in plantation farming?

- a. Andhr Pradesh and Tamil Nadu
- b. Kerala and Tamil Nadu
- c. Kerala and Andhr Pradesh
- d. Karnataka and Kerala

22. Consider the following crops:

- a. Wheat
- b. Groundnut
- c. rice
- d. Soybean

The correct sequence of these crops in terms of increasing order of their protein content is

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

23. Consider the following crops:

- a. Barley
- b. Sorghum
- c. Maize
- d. Peai-ller

The correct sequence of these crops in terms of decreasing order of their total cropped area in India is

- a. 2, 4, 1, 3

b. 2, 4, 3, 1

c. 4, 2, 3, 1

d. 4, 2, 1, 3

24. Which one of the following wheat types ranks next to common bread wheat in terms of the total cropped area in India?

a. *Triticum aestivum*

b. *Triticum durum*

c. *Triticum dicoccum*

d. *Triticum spherococcum*

25. Which of the following pair of nutrients and deficiency symptoms in rice are correctly matched?

a. Nitrogen—Yellowing of older leaves

b. Zinc—Interveinal chlorosis

c. Iron—Dwarfing and tip drying

d. Sulphur—Yellowing of younger leaves

Select the correct answer using the codes given below:

a. 1 and 2

b. 2 and 3

c. 3 and 4

d. 1 and 4

26. Consider the following statements: Winter crops are sown earlier in rainfed (dryland) agriculture than in irrigated areas because

a. It avoids chances of crop damage due to frost

b. It gives the crop a longer growth period

c. There is chance of loss of soil moisture in delayed sowing

d. If sowing is delayed, there is chance of rapid fall in temperature leading to reduced germination

Of these statements

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

27. Consider the following statements: Low germination in sugarcane is due to

- a. Low atmospheric humidity at planting time
- b. Low soil temperature in early season of planting
- c. Competition between buds of each set because of apical dominance

Of these statements

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

28. Consider the following compounds:

- a. Calcium carbonate
- b. Magnesium carbonate
- c. Calcium hydroxide
- d. Magnesium hydroxide

Limestone consists of

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

29. Water harvesting is best defined as

- a. Unit of water consumed per unit of biological product of crop harvested
- b. Collecting the excess runoff from rain on the farm in ponds and utilizing it later for agriculture

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- c. Harvesting deep water from soils by special pumping devices and utilizing it for crop production
- d. Application of water at the time of harvest of crop to ease harvesting crops like sugar beet sweet potato and yam