

Examrace**Competitive Exams: Agriculture MCQs (Practice_Test 9 of 56)**

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1. Consider the following statements about sustainable agriculture:

- a. It is a combination of both traditional and moder agriculture.
- b. It consider increasing agricultural productivity in long term.
- c. It consider equity-ability and factorproductivity factors.
- d. It is necessar for intensive crop production and better soil and environment management.

Select the correct answer using the codes given below:

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

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

List-I (revolution)	List-II (Commodities)
A. Blue revolution	1. Fish
B. Brown revolution	2. Processed products
C. Green revolution	3. Oil seeds
D. Yellow revolution	4. Food crops

A B C D

a. 1 2 4 3

b. 3 4 2 1

c. 1 4 2 3

d. 3 2 4 1

3. In the linear relationship, each additional unit of the variable input when applied to fixed factor (s), produces

a. Less amount of additional product

b. Less amount of additional input

c. Equal amount of additional product

d. Equal amount of additional input

4. Parity prices for far products ar those prices which could give same purchasing power per unit

a. For goods and services used in family living

b. Food goods and services in both production and family living

c. For input services used in production

d. For exported goods and imported goods

5. Which of the following ar the main objectives of agr ecological egiions?

a. Evaluation of the yield potential of crops and crop combinations.

b. Evolving futur plan of action, involving crop diversification.

c. rapid transfer of technology of homogeneous areas.

d. Achieving sustainability in each climatic region.

Select the correct answer using the codes given below:

a. 1, 2 and 4

b. 1, 2 and 3

c. 2, 3 and 4

d. 1, 3 and 4

6. Consider the following statements: In the first zone of production function

- a. The APP is increasing and then decreasing
- b. The MPP is increasing and then decreasing
- c. TPP is increasing
- d. APP is decreasing

Which of the above statements are correct?

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

7. If corresponding to the point where a line from the origin is tangential to the total product curve, then the

- a. Total product will be maximum
- b. Average product will be maximum
- c. Marginal product will be maximum
- d. Average product and marginal product will be equal

Select the correct answer using the codes given below:

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

8. Which of the following is NOT correctly matched?

- a. Division under resource limitation—Principle of equi-marginal returns
- b. Choosing best crop enterprises—Opportunity cost principle
- c. Allocation of resources under resource limitation—Law of variable proportions
- d. Optimum level of input use without resource limitation—Law of diminishing returns

9. The resource-use efficiency in agriculture is measured by

- a. Summation of production elasticities

- b. ratio of opportunity cost to marginal value products
 - c. regression coefficients
 - d. Least-st combination
10. Which of the following are the basic assumptions of linear programming?
- a. Divisibility and single value expectations
 - b. Infiniteness and additivity
 - c. Every unit of input adds equal increment to the output
 - d. Unlimited activities and alternatives

Select the correct answer using the codes given below:

- a. 2, 3 and 4
 - b. 1 and 2
 - c. 3 and 4
 - d. 1 and 3
11. A production function with elasticities of production equal to one, indicates
- a. Zero returns
 - b. Constant returns
 - c. Decreasing returns
 - d. Increasing returns

12. In far planning, which of the following tools and aids may be used?
- a. Dynamic programming and recursive programming
 - b. Income capitalization method
 - c. Game theory models
 - d. recordian theory

Select the correct answer using the codes given below:

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

13. A farmer owns 10 hectares of land. He cultivates jowar in 2 ha, bajr in 2 ha, maize in 2ha in kharif season and pulses in 5ha in rabi season. What would be the cropping intensity?
- a. 120%
 - b. 130%
 - c. 140%
 - d. 150%

14. Consider the following toxic substances:

- a. Castrogens
- b. Coumarins
- c. Saponins
- d. Hydrocyanic acid

In which of the following sets of fodder crops these toxic substances are present respectively?

- a. White clover sweet clover lucerne, sorghum
 - b. White clover lucerne, sweet clover, sorghum
 - c. Lucerne, sorghum, white clover sweet clover
 - d. Sorghum, white clover sweet clover, lucerne
15. Germination of sugarcane buds is positively correlated with
- a. Glucose content of the bud tissue
 - b. Sucrose content of the bud tissue
 - c. Starch content of the bud tissue
 - d. Amylase content of the bud tissue

16. Which of the following is a macaroni wheat?

- a. *Triticum aestivum*
- b. *Triticum dicoccum*
- c. *Triticum durum*
- d. *Triticum monococcum*

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

List-I (Crop)	List-II (Variety)

A. Castor	1. ratana
B. Pigeon pea	2. Vijaya
C. rice	3. NPH 1
D. Barley	4. UPAS 120

A B C D

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

8. Stem Modulation occur in green manure crop of

- a. *Sesbania aculeata*
- b. *Sesbania cannabina*
- c. *Crotalaria juncea*
- d. *Aeschynomene afraspera*

9. Consider the following statements: Manganese toxicity in rice can be overcome through

- a. Application of green manure
- b. Adequate application of potassic fertilizer
- c. Inadequate application of nitrogen and phosphate
- d. Providing shallow drains to remove manganese from the root zone

Which of these statements are correct?

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

10. Consider the following statements:

- a. Hybrid rice for commercial production was first evolved in Japan and at present, Japan is the leading countr in hybrid rice production.
- b. Cutting the flat leaves of plants and spraying the plants with Gibberellic acid ar some of the recommended practices in seed production of hybrid rice.
- c. Based on the studies of movement of poilen grains the isolation distance recommended for seed production plot in case of hybrid rice is 100 m.

Which of these statements are correct?

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

21. In tobacco, the basic aim of topping and desuckering is to

- a. reduce the plant height
- b. Encourage branching
- c. Diver energy and nutrients from flower heads to leaves
- d. Protect the plants against lodging

22. Consider the following statements regarding crop logging technique in:

- a. Crop log, which is a graphical record of the progress of the crop, is an excellent example of the use of plant analysis in crop production operations
- b. On the basis of critical nutrient concentrations and the nutrient indices, the crop condition can be understood and this information helps to make changes in management, if found necessary
- c. The moistur percentage in the leaf is also estimated periodically and the values ar used in regulating irrigation, especially during the ripening period of sugarcane

Which of these statements are correct?

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

23. Consider the following statements regarding neutron scattering method:

- a. The principle of neutron scattering method is based on ability of the hydrogen atoms to reduce drastically the speed of fast moving neutrons and scatter them.
- b. The slow moving neutrons formed due to the action of hydrogen atoms, move to the counting tube of the meter and are recorded.
- c. The neutron scattering method is useful in estimating the moisture in organic soils but is not useful in mineral soils.

Select the correct answer using the codes given below:

- a. 1, 2 and 3
 - b. 2 and 3
 - c. 1 and 3
 - d. 1 and 2
14. Irrigation water rich in bicarbonate content leaves a higher proportion of
- a. Sodium to divalent cations in the soil solution
 - b. Calcium to other divalent cations in the soil solution
 - c. Magnesium to other divalent cations in the soil solution
 - d. Potassium to divalent cations in the soil solution
15. Heavy shedding of buds and bolls occurs in cotton due to
- a. Deficiency of nitrogen in the soil
 - b. Deficiency of phosphorus in the soil
 - c. Deficiency of magnesium in the soil
 - d. Water stress at bud formation stage
16. When irrigation is applied through drip method with poor quality ground water
- a. It increases the salt concentration in the root zone as compared to surface methods of irrigation
 - b. It reduces the salt concentration in the root zone as compared to surface methods of irrigation
 - c. The salt concentration in the root zone remains more or less the same as that caused by surface methods of irrigation
 - d. It increases the salt concentration in the root zone in the earlier part and decreases later on as compared to surface methods of irrigation

27. In furrow method of irrigation

- a. Only 1/4th of the furrow is wetted
- b. Only 4/5th of the furrow is wetted
- c. Only 1/2th of the furrow is wetted
- d. Only 3/4th of the furrow is wetted

28. If the rate of application per hectar is 3.00 kg a. i. the quantity of Simonize VVP (80% a. i.) required to be sprayed in 0-hectar area would be

- a. 0.50kg
- b. 0.75kg
- c. 1.25kg
- d. 1.87kg

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

List-I (Herbicide)	List-II (Application)
A. Diuron	1. Post-ergence
B. Paraquat	2. Pre-ergence
C. 2, 4-Na-It	3. Pre-anting
D. Trifluralin	4. Both post-ergence and preemergence

A B C D

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

30. Supplementar relationship between two crops exists when the marginal rate of substitution is

- a. Less than one

b. Greater than one

c. Equal to one

d. Zero

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