

## Examrace

### Competitive Exams: Agriculture MCQs (Practice\_Test 56 of 56)

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1. Which one of the following herbicides kills both Phalaris minor and wild oats in wheat?
  - a. Tok-25
  - b. 2,4 – D
  - c. Tribunil
  - d. Avadex
  
2. Which one of the following can be included in rotation with rice crop?
  - a. Sea ban la speciosa
  - b. Sesbania rastrata
  - c. Sesbania glandulosa
  - d. Crotalaria juncea
  
3. Which one of the following two-yr's crop rotations is of 166° o cropping intensity (CI) ?
  - a. Cotton-eat-ize-eat
  - b. Cauliflower-dy's finger-rly potatomain potato-ize for green cobs
  - c. Sugarcane-uster bean-eat
  - d. Sugarcane-toon
  
4. In early cropping, the flowering period of
  - a. One crop always overlaps with that of the second crop
  - b. One crop never overlaps with that of the second crop
  - c. The first crop may or may not overlap with that of the second crop
  - d. Crops grown is not relevant
  
5. What is correct proportion of seed rate of wheat (W) and gram (G) for mixed sowing under inadequate irrigation condition?
  - a. W-; G-
  - b. W-; G-

c. W-; G-

d. W-; G-

6. In the universal soil loss equation  $A = rKLSP$  K stands for

a. Slope length

b. Soil erodibility

c. rainfall

d. Cover and management

7. Which of the following pair are correctly matched?

a. Oxic 壤A horizon enriched with Fe and Al

b. Mollic 壤A thick dark coloured mineral horizon with high (more than 50 %) base saturation

c. Ochric 壤A silicate clay enriched horizon

d. Argillic 壤A light-coloured low organic matter content horizon

Select the correct answer using the codes given below:

a. 1 and 3

b. 1 and 2

c. 2 and 4

d. 2 and 3

8. In the statement 'if soil A has a pH of 5 and soil B has a pH of 7. Then the acidity of soil A will be X times that of soil B.' X stands for

a. 2

b. 5

c. 10

d. 100

9. Kaolinic clays are able to satisfy the Ca<sup>2+</sup> requirement of most plants at calcium saturation value of

a. 40 to 50 %

b. 50 to 60 %

c. 60 to 70 %

d. 70 to 80 %

10. The infrared spectrum of fulvic acid shows weak, medium strong and strong bands at
- 2980 to 2920.1720 and 3400 cm<sup>-1</sup> respectively
  - 1720.2980 to 2920 and 3400 cm<sup>-1</sup> respectively
  - 3400.1720 and 2980 to 2920 cm<sup>-1</sup> respectively
  - 2980 to 2920.3400 and 1720 cm<sup>-1</sup> respectively
11. Match List I (Organic soil) with List II (Natur of the soil) and select the correct answer using the codes given below the lists:

List-I	List-II
A. Muck	1. Humus-ch forest soil with mixed organic and mineral matter
B. Mull	2. Forest raw humus soil layer without incorporated organic matter
C. Peat	3. Well decomposed organic soil with original plant parts not recognizable
D. Mor	4. Organic soil with unrecompensed or partly decomposed partly decomposed organic matter

**A B C D**

- 3 4 1 2
  - 4 1 3 2
  - 2 3 4 1
  - 3 1 4 2
12. Truncated profile
- represents a typical under developed profile
  - Is one wher solum is buried underneath
  - Is one that has a par of the solum removed by erosion
  - Is one wher horizons cannot be distinguished
13. Match List I (Scientists) with List II (Associated with) and select the correct answer using the codes given below the lists:

List-I	List-II

A. L D Bayer	1. Crop logging technique
B. H F Clements	2. Soil physics
C. E John russel	3. Buffer method for determining lime requirement of soils
D. H E Shoemaker	4. Roth Amsted experimental station, Harpenden

**A B C D**

a. 1 2 3 4

b. 2 1 3 4

c. 1 2 4 3

d. 2 1 4 3

14. The ter residual acidity refer to

- Soil acidity that can be neutralized by alkaline material
- Acidity of hydrogen ion in the aqueous phase
- Acidity due to exchangeable hydrogen and aluminum
- Acidity which is determined after taking a crop

15. Match List I (Instrument) with List II (Used to measure) and select the correct answer using the codes given below the:

List-I	List-II
A. Tensiometer	1. Matric suction in the soil
B. Piezometer	2. Temperature
C. Psychrometer	3. rate of water entr into the soil
D. Infiltrometer	4. Water pressur in the soil

**A B C D**

a. 1 4 2 3

b. 2 3 1 4

c. 1 4 3 2

d. 4 1 2 3

16. Consider the following symptoms of iron deficiency:

- a. Leaves turning entirely white
- b. Entirely leaves developing chlorosis
- c. Young leaves developing interveinal chlorosis

The correct sequence in which these symptoms develop is

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

17. Consider the following statements: In crops, phosphorus

- a. Is essential for flowering, fruiting and seed formation
- b. Helps to regulate the opening of stomata in the leaves
- c. Is essential for root development and crop maturation
- d. Is essential for the synthesis of chlorophyll and enzymes

Of these statements

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

18. Match List I (Bacteria) with List II (Function) and select the correct answer using the codes given below the lists:

List-I	List-II

A. Nitrobacter spp.	1. Fixation of atmospheric nitrogen
B. Ammonifying bacteria	2. Formation of $\text{NH}_4$ nitrogen
C. Denitrifying bacteria	3. Formation of $\text{NO}_3$ nitrogen
D. rhizobium bacteria	4. Formation of $\text{N}_2$ nitrogen

**A B C D**

a. 3 2 1 4

b. 2 3 1 4

c. 3 2 4 1

d. 2 3 4 1

19. The half-life of  $\text{U} - 8$  is  $4.5 \times 100$  years. If the geological age of the earth is  $2.5 \times 100$  year approximately, then the amount of original supply of  $\text{U} - 8$  that has disappeared due to radioactive decay is

a. 10 %

b. 25 %

c. 50 %

d. 75 %

20. Consider the following organic manures:

a. Bat's guano

b. Goat manure

c. pig manure

d. FYM

The correct sequence in descending order in terms of nitrogen content of these manures is

a. 1,3, 2,4

b. 3,2, 1,4

c. 3,1, 4,2

d. 1,3, 4,2

21. Match List I (Compound Material) with List II (Nutrient. Activity) and select the correct answer using the codes given below the lists:

List-I	List-II
A. Thiourea	1. Calcium
B. Serpentine	2. Nitrification inhibitor
C. Ox amide	3. Slow release N fertilizer
D. rock phosphate	4. Magnesium

**A B C D**

a. 2 4 1 3

b. 4 2 3 1

c. 4 2 1 3

d. 2 4 3 1

22. Which of the following pair are correctly matched?

- a. Ammonium sulphate 褻Acidic
- b. Calcium ammonium nitrate 褻Neutral
- c. Potassium nitrate 褻Basic

Select the correct answer using the codes given below:

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

23. Besides the soil reservoir components of integrated nutrient management include

- a. Inorganic fertilizer and organic manures
- b. Organic manures and biofertilizers
- c. Biofertilizer and inorganic fertilizers
- d. Inorganic fertilizers, organic manures and biofertilizers

24. Consider the following statements: In rice, silicon is a functional element and is required in large quantities for
- Increasing water use efficiency
  - Disease and pest resistance
  - Normal growth of plant and uptake of other nutrients
  - Spike let sterility control

Of these statements

- 1 and 2 are correct
  - 3 and 4 are correct
  - 1,2 and 3 are correct
  - 1,2, 3 and 4 are correct
25. In the statement 'cell A has an osmotic potential of -bar and a pressure potential of 10 bar while cell B has an osmotic potential of -bar and a pressure potential of 2 bars: If both these cells are placed in contact with each other then water will flow from cell X to cell Y with a force of Z bars' X, Y and Z stand respectively for
- A, B and -4
  - A, B and -2
  - B, A and -4
  - B, A and -2

26. Match List I (Deficiency disease) with List II (remedy) and select the correct answer using the codes given below the:

List-I	List-II
A. 'reclamation disease' of cereals	1. Ammonium molybdate
B. White bud of maize	2. Borax
C. Whiptail of cauliflower	3. Copper sulphate
D. Hollow hear of groundnut	4. Ferrous sulphate
	5. Zinc sulphate

**A B C D**



a. 3 4 2 5

b. 2 4 3 1

c. 3 5 1 2

d. 4 5 1 2

27. Potato is an indicator plant for which one of the following soil deficiencies?

a. Potassium

b. Calcium

c. Nitrogen

d. Phosphorus

28. Match List I (Enzymes) with List II (reactions) and select the correct answer using the codes given below the lists:

List-I	List-II
A. Fumarase	1. Conversion of succinyl CoA to succinic acid
B. Aconitase	2. Conversion of succinic acid to fumaric acid
C. Succinic dehydrogenase	3. Conversion of fumaric acid to malic acid
D. Succinic acid thiokinase	4. Conversion of citric acid into isocitric acid

**A B C D**

a. 3 4 1 2

b. 4 3 1 2

c. 3 4 2 1

d. 4 3 2 1

29. Which of the following biochemical mechanisms are associated with photosynthesis?

a. A given amount of light supplied in short flashes separated by dark periods increases photosynthetic yield when compared to uninterrupted supply of light of

same intensity.

- b. When continuous light is supplied the rate of photosynthesis is limited by dark reaction.
- c. Two thousand chlorophyll units are involved in the fixation or reduction of one molecule of  $\text{CO}_2$ .
- d. Photosynthesis consists of two (cyclic and non-cyclic) photochemical reactions and the major function is to produce ATP

Select the correct answer using the codes given below:

- a. 1,2, 3 and 4
  - b. 1,2 and 3
  - c. 3 and 4
  - d. 1,2 and 4
30. Under inductive photoperiod, the flowering of a plant is inhibited if the dark period is interrupted by a flash of light. Such a type of plant is known as
- a. Qualitative short-day plant
  - b. Qualitative long-day plant
  - c. Day-neutral plant
  - d. Quantitative long-day plant

## Frequently Asked Questions (FAQs)

**Dear , Please provide answer for competitive exam agriculture MCQs answer sheet**

**( - 1....@ on 27-Jun-2016)**

*1 Answer*

We are currently providing only MCQs.

**- 1....@ on 27-Jun-2016**