

## Competitive Exams: Agriculture MCQs (Practice-Test 17 of 56)

1. Bio-rtilizer are
  - a. Dead organisms mixed with essential nutrients in fairly large amounts
  - b. Living organisms mixed with large amount of essential nutrients
  - c. Living organisms containing no essential nutrients but they either fix or mobilize nutrients
  - d. Inorganic fertilizer mixed with organic manures
  
2. Consider the following materials having different neutralizing values (ability to neutralize the soil acidity):
  - a. Calcium carbonate
  - b. Calcium hydroxide
  - c. Calcium oxide
  - d. Magnesium carbonate

The correct sequence in the increasing order of neutralizing values of these liming materials would be

- a. 1\_\_\_\_\_
  - b. 2--1
  - c. 1\_\_\_\_\_
  - d. 4\_\_\_\_\_
- 
3. Which one of the following anaerobic micr organisms fixes atmospheric nitrogen non-mbiotically?
    - a. rhizobium
    - b. Azatobacter
    - c. Clostridium
    - d. rhodospirillum

4. Which one of the following crops responds well to the application of sulphur?

- a. Cereals
- b. Pulses
- c. Oilseeds
- d. Fiber crops

5. Consider the following statements: Integrated nutrient management system

- a. Minimizes the use of chemical fertilizers.
- b. Minimizes the use of organic manures.
- c. Maximizes efficient use of resources for enhancing soil fertility and productivity.
- d. Maximizes the use of chemical fertilizers.

Which of the statements given above are correct?

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

6. Which of the following are the criteria used to designate an element as “essential element” in plants?

- a. It should have a clear physiological role
- b. Its absence prevents the plants from completing its life-cycle
- c. It is required for all metabolic processes in plants
- d. Its absence cannot be satisfied by supplementing with another essential element

Select the correct answer using the codes given below:

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

7. Which of the following is/are components of water potential of cell?

- a. Pressur potential and osmotic potential
- b. Metric potential
- c. Osmotic potential
- d. Diffusion pressur deficit

Select the correct answer using the codes given below:

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

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

List-I (Nutrient)

List-II (role)

- |              |                        |
|--------------|------------------------|
| a. Calcium   | a. Pollen germination  |
| b. Zinc      | b. Translocation       |
| c. Boron     | c. IAA synthesis       |
| d. Potassium | d. Cell wall formation |

**A B C D**

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

9. The correct sequence of substances with ascending order of respirator quotient is

- a. Fats-proteins-carbohydrates-malic acid-oxalic acid

- b. Proteins-fats-carbohydrates-Oxalic acid-malic acid
- c. Carbohydrates-fats-proteins-malic acid-oxalic acid
- d. Malic acid-carbohydrates-oxalic acid-fats-proteins

10. The following scientists unraveled the process of photosynthesis:

- a. Calvin
- b. Hatch and Slack
- c. Hill
- d. Blackman

The chronological order in which the above worked to know the details of photosynthesis is

- a. 4\_\_\_\_\_
- b. 4--1
- c. 1\_\_\_\_\_
- d. 1\_\_\_\_\_

11. Consider the following statements: Heat shock proteins are synthesized as a response to withstand heat stress and these proteins are unique to

- a. High temperature
- b. ABA treatment
- c. Low temperature

Which of the statements given above are?

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

12. Which one of the following changes is attributable to exogenous application of Gibberellic Acid to plants?

- a. Inhibition of lateral buds

- b. Induced parthenocarpy
  - c. Leaf abscission
  - d. Early senescence
13. Induction of abscission, dormancy and closing of stomata in leaves are the characteristic functions of which one of the following hormones?
- a. Ethylene
  - b. Auxin
  - c. Abscisic acid
  - d. Gibberellins
14. Which one of the following tissue systems acts as a plant's first line of defense against pests and diseases?
- a. Collenchyma
  - b. Ground tissue
  - c. Epidermis
  - d. Sclerenchyma
15. A chromosomal segment of highly condensed genetic material that is largely devoid of active genes is
- a. Centromere
  - b. Nucleosome
  - c. Euchromatin
  - d. Heterochromatin
16. Consider the following statements:
- a. Cell sap (in plants) is relatively more dense than the surrounding cytoplasm
  - b. Centrioles are not found in plant cells

Which of the above statements is/are correct?

- a. 1 only
- b. 2 only

- c. Both 1 and 2
- d. Neither 1 nor 2

17. recessive alleles could be identified experimentally by crossing potential carrier to

- a. Any individual
- b. Homozygous individuals
- c. Heterozygous individuals
- d. Homozygous individuals

18. Which one of the following causes disease called 'Little leaf of brinjal'

- a. Nematode
- b. Mycoplasma
- c. Virus
- d. Bacteria

19. Which one of the following training systems of grape is not practiced in India?

- a. Bower
- b. Kniffin
- c. Telephone
- d. Flat roof Gable

20. Which one of the following vegetables should not be recommended for intercropping in pre-faring orchard?

- a. Pea
- b. French bean
- c. Pumpkin
- d. Cowpea

21. Which one of the following sequences is correct in terms of descending order of ascorbic acid content?

- a. Aonla-sweet orange-guava Pineapple
- b. Guava Aonla Sweet orange Pineapple

- c. Pineapple Aonla-guava-sweet orange
- d. Aonla-guava-sweet orange-Pineapple

22. Which one of the following sets of companion crops is not advisable for?

- a. Brinjal and Spinach
- b. Pea and Tomato
- c. Potato and radish
- d. Brinjal and Pointed Gourd

23. Zer energy cool chamber operates on the principle of

- a. Second law of thermodynamics
- b. Evaporative cooling
- c. Boyle's law
- d. Charlie's law

24. Which one of the following chemicals is not an antioxidant?

- a. Calcium propionate
- b. Propyl gal late
- c. Stannous chloride
- d. Ascorbic acid

25. The following four horticultural commodities ar exported:

- a. Fresh mango
- b. Fresh onion
- c. Dried nuts (Walnut)
- d. Fresh grapes

The correct sequence in the increasing order of expor earning is

- a. 3\_\_\_\_\_
- b. 4--2
- c. 3\_\_\_\_\_

d. 2\_\_\_\_\_

26. Citronella is used for

- a. Flavoring the cosmetics and soaps
- b. recover of health
- c. Curing respirator troubles
- d. Checking bleeding

27. Match List I (Medicinal Plants) with List II (Drugs for which Grown) and select the correct answer

List-I

- a. Catharanthus roseus
- b. Cinchona sp.
- c. Papaver somniferum
- d. Hyocyamus niger

List-II

- a. Vinablastme
- b. Atropine
- c. Quinine
- d. Codeine

**A B C D**

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a. 4 3 1 2

b. 1 2 4 3

c. 4 2 1 3

d. 1 3 4 2

28. The medicinal plant known as 'Second Shilajeet' is

- a. Asparagus
- b. Safed Musli
- c. Kal Megh



d. Isabgol

29. Which one of the following diseases can be controlled by use of metalaxyl fungicide?

- a. Powder mildew
- b. Downy mildew
- c. Grey mildew
- d. Bacterial blight

30. Which one of the following can be classified as semi-nd parasite?

- a. root-not nematode
- b. Citrus nematode
- c. Golden cyst nematode
- d. Lance nematode