

## Competitive Exams: Agriculture MCQs (Practice-Test 54 of 56)

1. Match List I (Plants) with List II (Active medicinal ingredient) and select the correct answer:

List-I

- a. Cinchona
- b. Gloriosa
- c. Eucalyptus
- d. Datura

List-II

- a. Colchicine
- b. rutin
- c. Tropane alkaloid
- d. Quinine

**A B C D**

a. 1 4 2 3

b. 4 1 3 2

c. 4 1 2 3

d. 1 4 3 2

2. Most chilling treatment to remove seed dormancy is known as

- a. Scarification
- b. Guttation
- c. Supercooling
- d. Stratification

3. Match List I (Plant) with List II (Par used for commercial propagation) and select the correct answer using the codes given below the lists:

List-I

- a. Ginger
- b. Potato
- c. Sweet potato
- d. Cauliflower

List-II

- a. rhizome
- b. Tuber
- c. Stem cutting
- d. Seed

**A B C D**

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

4. Consider the following propagation methods

- a. Inarching
- b. Veneer grafting
- c. Seed propagation
- d. Softwood grafting

The correct chronological sequence in which these methods have been developed for the propagation of mango is

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

5. Consider the following statements: In early stages of mango orchard, it is recommended that intercrops be grown because

- a. It checks the growth of weed
- b. It helps in reducing nutrient losses through leaching
- c. It generates additional income in the initial year when there is no income from the primary crop

Of these statements

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

6. Which one of the following fruits contains more vitamin C than the rest?

- a. Guava
- b. Orange
- c. Aonla
- d. Mango

7. Fruit is the ideal food for convalescing patients because

- a. It contains less fat
- b. It is easily digestible
- c. It is rich in protein
- d. It has natural hormones

8. Consider the following vegetables:

- a. Watermelon
- b. Carrot
- c. Potato
- d. Sweet potato

Their correct sequence in ascending order in terms of calories per 400 grams of edible material is

- a. 1, 2, 3, 4

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

9. Consider the following steps:

- a. Preparation of fruit
- b. Straining and clarification
- c. Extraction of pectin
- d. Packing, sealing and sterilization

The correct sequence of these steps in the preparation of guava jelly is

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

10. Which of the following are responsible for the post-harvest deterioration of fruit and vegetables?

- a. respiration
- b. Temperature
- c. Ethylene
- d. Their high moisture content

Select the correct answer using the codes given below:

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

11. Which one of the following is the most appropriate set of constitutions (in percentage) for a good jelly set? Pectin Sugar Fruit acid Water

- a. 0.1 70 to 75 0.5 24.5 to 29.5

b. 1.0 60 to 65 1.0 33 to 38

c. 1.5 50 to 55 1.5 42 to 47

d. 0.5 75 to 80 1.0 19 to 24

12. Which of the following diseases are associated with potato tuber?

a. Black heart

b. Blackleg

c. Black shank

Select the correct answer using the codes given below:

a. 1 and 3

b. 1 and 2

c. 2 and 3

d. 1, 2 and 3

13. Match List I (Diseases) with List II (Favored by) and select the correct answer using the codes given below the lists:

List-I

List-II

a. Powder mildew

a. Cool and dr conditions

b. Damping off of seedlings

b. Wet and humid conditions

c. Wilt diseases

c. Water-gged conditions

d. Downy mildew

d. High soil temperature

**A B C D**

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

14. Tristeza is a virus disease of

- a. Sugarcane
- b. Grapes
- c. Citrus
- d. Peaches

15. Consider the following stages:

- a. Landing of the inoculum
- b. Penetration
- c. Establishment and sporulation
- d. recognition
- e. Germination

The correct sequence of these stages in pathogenesis in a host plant by its fungal pathogen is

- a. 1, 2, 3, 4, 5
- b. 1, 5, 4, 2, 3
- c. 1, 2, 5, 3, 4
- d. 1, 5, 2, 4, 3

16. Which one of the following is NOT correctly matched?

- a. Ear cockle of wheat—*Anguina tritice*

- b. Udbatta disease of rice—*Ephelis oryzae*
- c. Molya disease of barley—*Claviceps microcephala*
- d. Ergot of bajra—*Claviceps*

### Microcephala

17. Consider the following:

- a. Pycniospore
- b. Basidispore
- c. Aeciospore
- d. Uredospore
- e. Teliospore

The correct sequence of spor formation as it occur in the life cycle of *Puccinia graminis tritici* is

- a. 1, 2, 3, 4, 5
- b. 1, 3, 4, 5, 2
- c. 1, 3, 5, 4, 2
- d. 1, 2, 4, 3, 5

18. Which of the following pair of citrus diseases and the causal agents are correctly matched?

- a. Exocortis—Viroid
- b. Greening—Bacteria-ke organism
- c. Stubborn—*Spiroplasma citri*

Select the correct answer using the codes given below:

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

19. Which one of the following is the correct order in which they appear in a biological control programme?

- a. Parasitoid. Rearing, recovery, release
- b. rearing, parasitoid, recovery, release
- c. Parasitoid, rearing, release, recovery
- d. rearing, parasitoid, release, recovery

20. Which of following ar fungicides with systemic activity?

- a. Carbendazim
- b. Metalaxyl
- c. Thiophate methyl
- d. Tetramethly thiuram disulphate

Select the correct answer using the codes given below:

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

21. Which one of the following; pests is generally recognized as a pest of national importance?

- a. White grub
- b. Heliothis armigera
- c. White fly
- d. Spodoptera

22. In some plants, new fungi toxic substances ar produced in response to fungal infarction or mechanical injur as a tool of self-fense. Such substances ar known as

- a. Auxins
- b. Enzymes
- c. Chlorogenic and feluric acids
- d. Phytoalexins

23. What is the quantity of carboxyl 50% WP required to prepar 500 litres of spray fluid of 0.2% concentration on active ingredient basis?



- a. 1.0 kg
- b. 1.5 kg
- c. 2.0 kg
- d. 3.0 kg

24. Consider the following methods/strategies:

- a. Alteration of fungicides having no cross resistance
- b. Integrated disease management
- c. Use of fungicides in combination.

Those employed in the management of fungicide resistance include

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

25. Consider the following diseases of potato:

- a. Powder scab
- b. Golden nematode
- c. War of potato
- d. Black scurf

In India, embargo is NOT applicable in respect of

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

26. Which one of the following proportional combinations of the given chemicals is used to prepar a mixtur known as 'universal antidote' Activated charcoal Magnesium oxide Tannic acid

- a. 1: 2: 1

b. 2: 1: 1

c. 1: 1: 2

d. 2: 2: 1

27. Which one of the following manually operated hydraulic sprayer is most suitable for spraying trees and tall field crops?

a. Knapsack sprayer

b. Pedal pump

c. rocker sprayer

d. Stirrup pump

28. Which of the following pair (s) of defects is manually operated sprayer and remedies is/are correctly matched?

a. Failur to retain pressures—Tighten lid of the tank, check the gasket

b. Uneven discharge of spray—Straighten the plunger rod, if found bent

c. Leakage—Tighten the lose nuts and replace the gasket

Which is correct?

a. 1, 2 and 3

b. 2 and 3

c. 1 alone

d. 1 and 3

29. Pesticides ar better applied to field crops

a. In the morning only

b. In the evening only

c. Either in the morning or in the evening

d. In the afternoon and evening

30. • **Assertion (A):** In a developing country like India, agricultural development should be given greater emphasis than industr at least in the initial stage.

• **Reason (R):** In the initial stages the capital-tput ratio is not ver high in agricultur when compared to industry.

- 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
31. • **Assertion (A):** A production credit is either short-r or medium-r credit.
- **Reason (R):** Large amount of credit is not required as production credit.
- 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
32. • **Assertion (A):** Intercropping always gives higher yields than pur cropping.
- **Reason (R):** Limited resource utilization is better in intercropping.
- 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
33. • **Assertion (A):** Rice plants have preferential absorption of ammonium nitrogen during the vegetative growth period and nitrate nitrogen during the reproductive growth period.
- **Reason (R):** Rice roots possess strong oxidizing power during the vegetative growth period and this power reduces later on:
- 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
34. • **Assertion (A):** Compaction of sandy soil improves fertilizer use efficiency of nitrogen.
- **Reason (R):** Denitrification losses are checked.

- 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
35. • **Assertion (A):** Integrated nutrient management has become necessary to sustain soil health and crop productivity.
- **Reason (R):** Continuous use of large amounts of chemical fertilizer results in the deterioration of soil and environmental quality.
- 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