

Examrace

Competitive Exams: Agriculture MCQs (Practice_Test 47 of 56)

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1. Which of the following pair of wheat rusts and alternate hosts are correctly matched?
- a. *Puccinia graminis tritici*—*Rberis vulgaris*
 - b. *Puccinia recondition tritici*—*Halictrum* spp.
 - c. *Puccinia striiformis*—*Alaris minor*

Select the correct answer using the codes given below:

- a. 1, 2 and 3
 - b. 1 and 2
 - c. 1 and 3
 - d. 2 and 3
2. Match List I (Crop disease) with List II (Pathogen) and select the correct answer:

List-I	List-II
A. Tikka disease of groundnut	1. <i>Erystphe graminis</i> f. s. p. <i>Hordei</i>
B. Powder mildew of barley	2. <i>Puccinia striiformis</i>
C. Yellow rust of wheat	3. <i>Plasmopar vitivola</i>
D. Downy mildew of grapes	4. <i>Cerspor personata</i>

A B C D

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- a. 2 1 4 3
- b. 2 3 1 4
- c. 4 1 2 3
- d. 4 3 2 1
3. Which one of the following pair of crop and disease are correctly matched?
- a. Cabbage—Early blight
- b. Cucumber—Club root
- c. Potato—Black wart
- d. Tomato—White rust
4. Which one of the following pair is not correctly matched?
- a. Karnal bunt—*Neovossia horrida* of wheat
- b. False smut of rice—*Ustilaginoidea/virens*
- c. Hill bunt of—*Tilletia foetida* wheat
- d. Ear cockle of—*Anguina tritici* wheat
5. Plant pathogenic viruses contain
- a. rRNA only
- b. rRNA and protein coat
- c. DNA and protein coat
- d. DNA only
6. Loose smut of wheat is a/an
- a. Externally seed-borne disease
- b. Externally seed-borne and soil-borne disease
- c. Air-borne disease
- d. Internally seed-borne disease
7. Which of the following are the sources of survival of the wilt pathogen of sugarcane in India

- a. ratoon of infected crop
- b. Diseased plants debris
- c. Setts of diseases crop
- d. Collateral hosts

Select the correct answer using the codes given below:

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

8. Which one of the following is the correct order in which they appear during biocontrol operations?

- a. Parasite, release, Mass rearing, Parasitism
- b. Mass rearing, Parasite, release, Parasitism
- c. release, Mass rearing, Parasite, Parasitism
- d. Parasite, Mass rearing, release

Parasitism

9. The following major events occur during the pathogenesis of a host by a pathogen.

- a. Landing of inoculums
- b. recognition
- c. Germination of the prop gules
- d. Penetration
- e. Establishment
- f. Development of symptom

The correct sequence of these events in disease development is

- a. 1, 2, 3, 4, 5, 6
- b. 1, 3, 4, 2, 5, 6
- c. 1, 2, 4, 3, 5, 6
- d. 1, 3, 2, 4, 5, 6

10. Mycoplasma is sensitive to

- a. Penicillin
- b. Tetracycline
- c. Calixin
- d. Streptomycin

11. Whor application of granular insecticide provides effective control measur against

- a. Spotted bollwosm
- b. Maize stem borer
- c. Stem borer of paddy
- d. Mango stem borer

12. Match List I (Principles of disease control) with List II (Practices) and select the correct answer:

List-I	List-II
A. Exclusion	1. Spraying a common fungicide
B. Avoidance	2. Chemical seed treatment
C. Eradication	3. Isolation in time and space
D. Protection	4. Plant quarantine

A B C D

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

13. Which one of the following insecticides is capable of controlling mites as well?

- a. Endosulfan
- b. Toxaphene

- c. Cypermethrin
- d. Monocrotophos

14. The safest method of disposing off the left over pesticide is disposal by
- a. Pouring in the drain
 - b. Pouring in a pond
 - c. Pouring in a moving stream
 - d. Burying in the soil
15. Which of the following types of manually operated sprayer ar suitable for spraying 4 to 5 meter tall plantations?
- a. Hand compression sprayer
 - b. Knapsack sprayer
 - c. Foot sprayer
 - d. rocking sprayer

Which is correct?

- a. 1, 2, 3 and 4
 - b. 2 and 4
 - c. 1, 2 and 3
 - d. 3 and 4
16. Which of the following protective measures ar necessar for a person manually dusting pesticide on crop in uncertain wind conditions?
- a. Wearing plastic aprons
 - b. Use of rubber gloves
 - c. Use of plastic shoes
 - d. Use of goggles
 - e. Use of nose filters

Select the correct answer using the codes given below:

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

d. 1, 3 and 5

17. If one gram of a pesticide form formulation containing 50% active ingredient is mixed with one liter of water, what will be the concentration of the active ingredient in the spray fluid?
- a. 0.5ppm
 - b. 5.0ppm
 - c. 50ppm
 - d. 500ppm
18. The main purpose of T and V programme is to
- a. Identify research problems
 - b. Bring about co-dination in the administration of agricultural extension
 - c. Update the technical knowledge and skills of agricultural extensions workers
 - d. Help farmer in the adoption of latest innovations in agriculture
19. An extension worker practically explain Japanese method of paddy cultivation to a group of farmer and also shows its superiority over the traditional method. In the process, which of the following communication methods have been used by him?
- a. Method demonstration
 - b. Field visit
 - c. result demonstration
 - d. Study tour

Which is correct

- a. 1, 2, 3 and 4
 - b. 1 and 3
 - c. 2 and 3
 - d. 1, 2 and 4
20. Consider the following statements: Extension in the long run means change in skill attitude
- a. Knowledge
 - b. Skill
 - c. Work
 - d. Attitude

Of these statements

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

21. ◦ **Assertion (A):** In a planned agricultural economy, production of crops is dictated by policy considerations.
- **Reason (R):** Self-sufficiency cannot be achieved through free market forces.
 - 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.
22. ◦ **Assertion (A):** Soil organic matter plays a pivotal role in sustaining soil productivity and fertility.
- **Reason (R):** Plant nutrients are slowly released from soil organic matter.
 - 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.
23. ◦ **Assertion (A):** Cultivation of rice in the non-traditional area in India has increased.
- **Reason (R):** Food habits of the people of non-traditional growing areas have changed.
 - 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.
24. ◦ **Assertion (A):** In plant cells plasma membrane controls the flow of solutes into the cytoplasm. 8 of 1.
- **Reason (R):** In plant cells, tonoplast regulates the transport of solutes into and out of the vacuoles.

- a. Both A and R are true and R is the correct explanation of A.
 - b. Both A and rare 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.
15. ◦ **Assertion (A):** The expected genetic gain as calculated by the formula $G_s = k, O, H$ is applicable to a mixtur of pur lines or clones, but it is not applicable to segregating generations.
- **Reason (R):** Pur lines or clones give rise to progenies which ar identical in genotype with the parent family and the plants in segregating generations ar likely to be heterozygous for a few or several genes.
- a. Both A and R are true and R is the correct explanation of A.
 - b. Both A and rare 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.
16. ◦ **Assertion (A):** The F1 hybrids of Solanum melongena Muktakeshx Banaras giant and Muktakeshix Pusakranti exhibition increase over better parent as regarded yield.
- **Reason (R):** Exploitation of hybrid vigour has attained considerable importance in most of the vegetables.
- a. Both A and R are true and R is the correct explanation of A.
 - b. Both A and rare 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.
17. ◦ **Assertion (A):** Fruit quality is improved on pruning fruit trees.
- **Reason (R):** Pruning improves fruit: Leaf ratio.
- a. Both A and R are true and R is the correct explanation of A.
 - b. Both A and rare 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.
18. ◦ **Assertion (A):** Precooking of fruit and vegetables is done to reduce the rate of ripening process and extending shelf life.

- **Reason (R):** Precooking is done to immediately remove the field heat.
 - a. Both A and R are true and R is the correct explanation of A.
 - b. Both A and rare 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.
- 9. ◦ **Assertion (A):** Philosophy of pest control based on eradication of pest species is the antithesis of integrated pest control.
 - **Reason (R):** Eradication of pest species leads to an unstable biotic community.
 - a. Both A and R are true and R is the correct explanation of A.
 - b. Both A and rare 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.
- 10. ◦ **Assertion (A):** The broad spectrum insecticide needs to be used for all agricultural crops.
 - **Reason (R):** Broad-ectrum insecticide kills a large variety of insects.
 - a. Both A and R are true and R is the correct explanation of A.
 - b. Both A and rare 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.