

Examrace

Competitive Exams: Agriculture MCQs (Practice_Test 7 of 56)

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1. Which one of the following food-ins is most coarse?

- a. Panicum miliaceum
- b. Echinochloa frumentacea
- c. Setaria italica
- d. Andhr Pradesh

2. consider the following cotton-owing states:

- a. Gujarat
- b. Maharashtra
- c. Punjab
- d. Andhr Pradesh

The correct sequence of these states in terms of the descending order of their acreage is

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

3. Which one of the following is the ideal temperature range for tailoring stage in wheat?

- a. 10° C to 15° C
- b. 16° C to 20° C
- c. 20° C to 23° C
- d. 23° C to 25° C

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

List-I (Terminology)	List-II (Explanations)
A. Crop water use efficiently	1. Number of crops grown/annum on a given area

B. Cropping index	2. W1 and W2 ar plant dr weight of time t1 t2
C. Crow growth rate	3. Total cropped area in a year/Net cultivated area
D. Cropping intensity	4. Crop yield 100/Water depleted by crop plants through evaporation

A B C D

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

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

List-I (Different cultural operations)	List-II (Crops)
A. Dapog nursery	1. Miaze
B. Desuckering	2. rice seedling
C. Detasseling	3. Sugarcane
D. Earthing up	4. Tobacco

A B C D

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

6. To obtain optimum yield of paddy, the number of ear bearing tiller per square meter should be:

- a. 150 180
 - b. 200 250
 - c. 350 400
 - d. 450 500
7. Which one of following pair of crops and critical stage of is NOT correctly matched?
- a. Bajra—Ear head emergence
 - b. Cotton—Pre-owering
 - c. Wheat—Crown root imitation
 - d. Groundnut—Pod development
8. Which one of the following crops is most sensitive to both excess moistur and drought?
- a. Direct-eded rice
 - b. Maize
 - c. Sunflower
 - d. Sorghum
9. Atrazine used as an antitranspirant
- a. reduces the growth of the crop
 - b. Does not reflect light from plant leas surface
 - c. Affects the closur and opening of stomata
 - d. Forms thin layer on leaf surface
10. Which one of the following pair of weeds and crops is NOT correctly matched?
- a. Striga—Sorghum
 - b. Cuscuta—Lucerne
 - c. Typha—Sugarcane
 - d. Orbanche—Tobacco
11. 'Atrazine' effectively controls grasses in maize field without causing har to the crop plants, as degradation of the chemical in maize plant occur due to the presence of
- a. r Q enzyme
 - b. Amylases

c. Aryl acyl amidase

d. GSH enzyme

12. Which one of the following is mycoherbicide?

a. Diquat

b. Met sulfuron methyl

c. Cokego

d. Bromacil

13. Consider the following is crops characteristics?

a. Shor duration

b. Photo insensitiveness

c. Synchronous tillering

d. Determinate

The correct sequence of these characteristics for selecting the crop for multiple cropping would be:

a. 1, 2, 4, 3

b. 2, 1, 3, 4

c. 1, 2, 3, 4

d. 2, 1, 4, 3

14. Which one of the following crop rotations is the BEST for maintaining soil fertility?

a. Maize-ria-wheat

b. Paddy-wheat-wpea

c. Paddy-potato-een gram

d. Soybean-wheat-een gram

15. Productivity of an intercrop per unit area of ground compared with the expected from sole crop sown in the same proportions is termed as

a. Land equivalent ratio

b. Competitive ratio

c. Land equivalent coefficient

d. Crop performance ratio

16. Which one of the following fertilizer schedule is recommended to optimize the productivity in intercropping system?
 - a. Full recommended does of both the main crop and intercrop
 - b. Full recommended does of main crop and half of intercrop
 - c. Half recommended does of main and intercrop
 - d. Full recommended does of main crop only
17. Which one of the following planting geometr is recommended to optimize system productivity in intercropping systems in semi-id and semi-mid ecosystem?
 - a. Normal planting of intercrops between two rows of normal planted main crop
 - b. Skip row planting
 - c. Three rows of main crop and two rows of intercrops
 - d. Four rows of main crop and one row in intercrop
18. Mechanical analysis of soil makes use of
 - a. Darcy's Law
 - b. Stoke's Law
 - c. Schofield's Law
 - d. Ohm's Law
19. Which one of the following is the correct sequence of transformation igneous rock to kaolinite?
 - a. Igneous rock-Montmorillonite-Smectite-Halloysite-Kaolinite
 - b. Igneous rock-Montmorillomnite-Metahalloysite-Halloysite-Kaolinite
 - c. Igneous rock-Montmorillonite-Halloysite-Metahalloysite-Kaolinite
 - d. Igneous rock-Halloysite-Methalloysite-Montmorillonite-Kaolinite
20. The capacity of a soil to resist appreciable change in pH value is called
 - a. Cation-change capacity
 - b. Buffering capacity
 - c. Percentage base saturation

d. Anion-change capacity

21. Humic acid is a fraction of humus, which is

- a. Soluble in alkali and acid
- b. Soluble in alkali and insoluble in acid
- c. Insoluble in alkali and soluble in acid
- d. Insoluble both in alkali and acid

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

List-I (Soil parameter)	List-II (Apparatus used)
A. Mechanical composition	1. Atterberg; s apparatus
B. Soil aggregation	2. Pycnometer
C. Plasticity	3. Bouzoukis hydrometer
D. Particle density	4. Yoder's apparatus

A B C D

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

23. Consider the following notation: The colour of soil, as per Munsell notation is denoted as 5Yr 5/6 Study critically, the following explanations of this notation:

- a. 5 Yr denotes 'hue' of the colour wher Yr means yellow-d the figure 5 indicates that the contribution of yellow low-d, the figur 5 indicates that the contribution of yellow colour to the soil is 5 times mor than that of red colour.
- b. The figur 5 in 5/6 is the value of the colour which indicates that the colour is visually midway between absolute white and absolute black.
- c. The figur 6 in 5/6 denotes the 'Chroma' of the colour. It shows the chroma is in the 7th place from 0 (including 0) in the scale of 0 to 20.

Which of the above explanations are correct?

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

14. Which one of the following values given in terms of redox-potential of soils (mV) represents highly reduced conditions of the soil?
- a. 250
 - b. 100
 - c. + 200
 - d. + 600
15. The process of replacement of one atom by another atom of similar size, in a crystal lattice of a soil clay, without disrupting or changing the crystal structure of the mineral is termed as
- a. Ion exchange
 - b. Isomerism
 - c. Isomorphic substitution
 - d. Polymorphism
16. Which one of the following graphs describes soil pH?
17. Consider the following statements regarding Zinc in soils:
- a. Zinc is more soluble in acid soil and the solubility decreases as the soil pH increases.
 - b. Solubility of soil Zinc, native or applied, increases with the increase of native or added phosphate to the soil.
 - c. Zinc is practically immobile in the soil and hence leachate of the soil contains very little zinc in it.

Which of the above statements are correct?

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

8. The element which does NOT enter into permanent organic combination in plants is
- Nitrogen
 - Phosphorous
 - Magnesium
 - Potassium
9. The nitrogen present in a 5 gram soil sample is estimated by the modified Kjeldahl's method and the NH_3 evolved is absorbed in 4% boric acid solution. The back titration value of 0.1 normal standard H_2SO_4 is 100 ml. The percentage of nitrogen in the soil sample will work out to be
- 0.10
 - 0.14
 - 0.28
 - 0.36
10. The plateau with little growth-rate and continuing accumulation of nutrient element in the plants can be defined as
- Sever deficiency range
 - Toxic range
 - Moderate deficiency range
 - Sufficiency range

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