

## Competitive Exams: Agriculture MCQs (Practice-Test 25 of 56)

1. Consider the following:

- a. Angiococcus
- b. Clostridium
- c. Polyangium

Which of the above decompose/decomposes cellulose in soil?

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

2. Which one of the following measures is not used for risk management in agriculture?

- a. Crop insurance
- b. Diversification of cropping system
- c. Horizontal integration
- d. Hedging

3. Which one of the following formulae is used to find out the optimum level of an input, while analyzing the relationship between one-riable (X) and an output (Y) ( $P_Y$  and  $P_x$  ar output and input prices, respectively)?

- a.  $N/A$
- b.  $N/A$
- c.  $N/A$
- d.  $N/A$

4. At Internal rate of return, what is the NPV (Net Present Value) of cash flow?

- a. Equal to zero

- b. Negative
- c. Positive
- d. Equal to one

5. Which of the following correctly indicate the features of point of inflection in a production function which is given by  $Y = f(x)$ ?
- a. Change in the curvatur of TPP (Total Physical Product) curve from convex to concave to X-is:
  - b. MPP (Marginal Physical Product) is at its maximum.
  - c. APP (Average Physical product) is at its maximum.
  - d. End of the I stage of production function.

Select the correct answer using the code given below:

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

6. At what point does the least cost combination of two variable inputs ( $X_1$  and  $X_2$ ) occur which can substitute each other?
- a. Wher marginal rate of substitution of  $X_2$  for  $X_1$  equals  $PX_1/PX_2$
  - b. Wher Marginal rate of substitution of  $X_2$  for  $X_1$  equals  $PX_2/PX_1$
  - c. Wher  $MPPX_2/MPPX_1 = PX_2/PX_1$
  - d. Wher  $MPPX_1/MPPX_2 = PX_2/PX_1$

7. What is the difference between the price paid by the consumer for agricultural commodities and the price received by the farmers, called?
- a. Marketing cost
  - b. Marketing margin
  - c. Marketing inefficiency
  - d. Price spread

8. Price of output of a level below the minimum ATC curve but above the minimum AVC curve indicates which one of the following?
- The price of output cover both fixed and variable costs
  - The output price cover fixed costs but not variable costs
  - The output price cover variable costs but not fixed costs
  - The fir incur heavy loss such that it has to close down its business
9. repair of far machineries and inventory changes in crop and livestock activities are recorded in which one of the following?
- Balance sheet
  - Income statement
  - Cash-flow chart
  - Net-rth statement
10. The roots of which crop plant release allelopathic chemicals into the soil that inhibit the germination of the succeeding crop?
- Sorghum
  - Sunflower
  - Maize
  - red gram
11. A line or curve connecting the least-st combination of inputs for different output levels is referred to as which one of the following?
- Expansion path
  - Iso quant
  - Iso-st line
  - Isoclines
12. When costs and returns ar estimated for a single enterprise of a far business, the process is known as which one of the following?
- Cost accounting
  - Partial budgeting

- c. Complete budgeting
- d. Far planning

13. Consider the following statements:

- a. Groundnut is predominantly a selfpollinated crop.
- b. In groundnut, pollination takes place in the early evening.

Which of the statements given above is/are correct?

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

14. Consider the following pair of crops:

- a. Maize and beans
- b. Maize and groundnut
- c. Onion and castor
- d. Turmeric and castor

Which of the above ar the correct pairs used for practicing intercropping?

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

15. Consider the following statements:

- a. In India, finger-llet crop can not be cultivated in alkaline soil pH more than 8.5.
- b. In India, at an elevation above 2300 m, barley is grown as an irrigated crop during the spring season.

Which of the statements given above is/are correct?

- a. 1 only

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

16. Which one of the following sequences of manures is correct in terms of the nitrogen content, expressed as percent on oven-dry basis, in descending order?

- a. Groundnut cake-poultr litter-meat meal-Farmyar manure
- b. Meat meal-groundnut cake-poultry litter Farmyar manure
- c. Groundnut cake-poultr litter-Farmyar manur-meat meal
- d. Meat meal-poultr litter-farmyar manur-roundnut cake

17. Consider the following:

- a. *Crotalaria juncea*
- b. *Cyamopsis tetragonoloba*
- c. *Phaseolus tribus*
- d. *Melilotus parviflora*

Which of the above are commonly used for green-manuring in India?

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

18. Consider the following elements:

- a. Ca
- b. Zn
- c. P
- d. Mg

The acidic soils are deficient in which of the above nutrient elements?

- a. 1, 2 and 3 only
- b. 2, 3 and 4 only

c. 1, 3 and 4 only

d. 1, 2 and 4 only

19. Consider the following:

a. Brucite

b. Gibbsite

c. Albite

d. Boehmite

Which of the above are Al-containing minerals?

a. 1, 2 and 4 only

b. 2, 3 and 4 only

c. 1, 3 and 4 only

d. 1, 2 and 3 only

20. Match List I with List II and select the correct answer using the code given below the lists:

List-I (Disease)

List-II (Class of Fungus)

a. ring spot of sugarcane

a. Ascomycetes

b. Loose smut of wheat

b. Basidiomycetes

c. Stripe disease of barley

c. Deuteromycetes

d. N/A

d. N/A

**A B C D**

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

21. Consider the following statements:

- a. Diffusion is the dominant mechanism for transporting soil  $Zn^{2+}$  to plant roots.
- b. Zinc solubility in soil solution decreases 100 fold for each unit increase in pH.

Which of the statements given above is/are correct?

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

22. Among the following, which plantnutrient-element reaches roots by the process of diffusion?

- a. Phosphorus
- b. Calcium
- c. Nitrogen
- d. Potassium

23. Consider the following statements:

- a. *Cymbopogon winterianus* is grown commercially by planting rooted slips only.
- b. The commercial crop of *Cymbopogon winterianus* can remain in field for one year only.

Which of the statements given above is/are correct?

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

24. A soil sample indicating pH = 7-ECe 4.8 dS/m, exchangeable sodium percentage = 12, may be categorized as which one of the following?

- a. Alkaline soil
- b. Saline soil
- c. Saline alkaline soil
- d. Normal fertile soil

25. Consider the following statements:

- a. In India, *Hyocymus niger* (Black Henbane) is grown as short-ration rabi crop.
- b. The cultivation of *Plantagc ovata* (Isabgcl) requires cool climate and dry sunny weather.
- c. *Glycyrrhiza glabr* (Liquorice) grows well in hot and humid tropic regions with ver shor or practically no winter season.

Which of the statements given above are correct?

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

26. For which nutrient element, plants depend strongly on chelation to improve availability and transpor for soil to plant root surface?

- a. Ca
- b. Mg
- c. Fe
- d. B

27. Which of the clay minerals ar found most in agricultural soil?



- a. Cyclosilicates
- b. Phyllosilicates
- c. Sorosilicates
- d. Nesosilicates

28. The volume wetness of soil can be derived from which one of the following?

- a. Mass wetness and bulk density
- b. Bulk density and particle density
- c. Hydraulic conductivity & maximum water-holding capacity
- d. Particle density and intrinsic permeability

29. Which one of the following solid particles will for a soil suspension exhibiting high colloidal properties?

- a. Kaolinite
- b. Vermiculite
- c. Illite
- d. Hematite

30. A farmer was advised to apply sulphur in his mustar crop at the rate of 80 kg per hectare. In the market, only single superphosphate fertilizer is available. How much single super phosphate he should purchase to apply sulphur in his mustard crop of one hectar field?

- a. 130 kg
- b. 667 kg
- c. 80 kg
- d. 500 kg