



Agriculture Review.

1. What is the pH range of most agricultural soils?

- a. 3-4
- b. 5-7
- c. 8-9
- d. 10-11

2. Which soil horizon is also known as the topsoil?

- a. O Horizon
- b. A Horizon
- c. B Horizon
- d. C Horizon

3. What is the cation exchange capacity (CEC) of clay soil?

- a. 1-5 meq/100g
- b. 5-15 meq/100g
- c. 15-30 meq/100g
- d. 20-50 meq/100g

4. Which nutrient is most essential for photosynthesis in plants?

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

5. What is the scientific name of the common wheat plant?

- a. *Oryza sativa*
- b. *Zea mays*
- c. *Triticum aestivum*
- d. *Hordeum vulgare*

6. Which growth regulator is primarily responsible for stem elongation in plants?

- a. Auxins
- b. Gibberellins
- c. Cytokinins
- d. Ethylene

7. What is the common name for Citrus sinensis?

- a. Lemon
- b. Orange
- c. Lime
- d. Grapefruit

8. Which of the following is a cool-season vegetable?

- a. Tomato
- b. Lettuce
- c. Eggplant
- d. Pumpkin

9. In grafting, which part of the plant is referred to as the scion?

- a. Rootstock
- b. Shoot
- c. Leaf
- d. Fruit

10. Which vitamin is essential for the proper development of bones in livestock?

- a. Vitamin A
- b. Vitamin B
- c. Vitamin C
- d. Vitamin D

11. What is the average gestation period for a cow?

- a. 150 days
- b. 180 days
- c. 280 days
- d. 320 days

12. Which breed of cattle is known for its high milk production?

- a. Hereford
- b. Angus
- c. Holstein
- d. Charolais

13. What is the primary purpose of a combine harvester?

- a. Plowing fields
- b. Planting seeds
- c. Harvesting crops
- d. Irrigating fields

15. What is the function of a reaper binder?

- a. Cutting and gathering crops
- b. Separating grains from chaff
- c. Spraying pesticides
- d. Measuring soil pH

16. What is the term for the financial gain obtained from the sale of goods?

- a. Revenue
- b. Expense
- c. Deficit
- d. Budget

17. Which economic principle states that the marginal cost of production tends to decrease as output increases?

- a. Law of Supply
- b. Law of Demand
- c. Economies of Scale
- d. Comparative Advantage

18. What is the term for the total value of all goods and services produced within a country in a specific period?

- a. Gross Domestic Product (GDP)
- b. Net National Product (NNP)
- c. Gross National Income (GNI)
- d. Consumer Price Index (CPI)

19. What is the primary cause of powdery mildew in plants?

- a. Bacteria
- b. Fungi
- c. Virus
- d. Nematodes

20. Which plant disease is caused by the bacterium *Xanthomonas campestris*?

- a. Citrus Canker
- b. Fire Blight
- c. Bacterial Wilt
- d. Black Rot

21. Which virus causes the mosaic disease in tobacco plants?

- a. Tobacco Mosaic Virus (TMV)
- b. Potato Virus Y (PVY)
- c. Barley Yellow Dwarf Virus (BYDV)

23. Which insect is known for its role in pollination?

- a. Scorpion
- b. Mosquito
- c. Beetle
- d. Honeybee

24. What is the scientific name of the common housefly?

- a. Musca domestica
- b. Drosophila melanogaster
- c. Anopheles gambiae
- d. Culex pipiens

25. Which of the following is considered a weed in agricultural fields?

- a. Wheat
- b. Corn
- c. Dandelion
- d. Soybean

26. What is the term for the process of removing weeds by hand?

- a. Cultivating
- b. Hoeing
- c. Weeding
- d. Pruning

27. Which herbicide is known for its non-selective action?

- a. Atrazine
- b. Glyphosate
- c. 2,4-D
- d. Dicamba

28. What is the main purpose of crop rotation?

- a. Increase pest resistance
- b. Reduce soil erosion
- c. Improve soil fertility
- d. Maximize yield

29. Which crop is typically grown in a paddy field?

- a. Wheat
- b. Rice
- c. Maize
- d. Soybean

31. Which term refers to the natural environment in which an organism lives?

- a. Ecosystem
- b. Biome
- c. Habitat
- d. Niche

32. What is the term for species that are native to a specific geographic area?

- a. Exotic species
- b. Endangered species
- c. Endemic species
- d. Invasive species

33. What is the primary cause of soil erosion?

- a. Earthquakes
- b. Deforestation
- c. Urbanization
- d. Mining

34. What is the main greenhouse gas contributing to global warming?

- a. Nitrogen
- b. Oxygen
- c. Carbon Dioxide
- d. Methane

35. Which of the following is a renewable resource?

- a. Coal
- b. Oil
- c. Solar Energy
- d. Natural Gas

36. What is the term for the process by which fertile land becomes desert?

- a. Erosion
- b. Salinization
- c. Desertification
- d. Deforestation

37. What is the basic unit of heredity?

- a. Chromosome
- b. Gene
- c. DNA
- d. RNA

39. Which breeding method involves crossing individuals that are closely related?

- a. Outbreeding
- b. Inbreeding
- c. Hybridization
- d. Mutation breeding

40. What is the primary purpose of postharvest technology?

- a. Increase yield
- b. Improve crop quality
- c. Extend shelf life
- d. Enhance growth rate

41. Which storage method involves cooling to temperatures just above freezing?

- a. Ambient storage
- b. Refrigerated storage
- c. Modified atmosphere storage
- d. Controlled atmosphere storage

42. What is the term for the process of removing field heat from produce after harvest?

- a. Blanching
- b. Curing
- c. Pre-cooling
- d. Ripening

43. What is the chemical formula for water?

- a. H₂O
- b. CO₂
- c. NaCl
- d. H₂SO₄

44. Which element is a primary component of proteins in plants?

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

45. What is the pH level of a neutral solution?

- a. 1
- b. 7
- c. 10
- d. 14

47. Which of the following is an example of a legume?

- a. Potato
- b. Tomato
- c. Pea
- d. Carrot

48. What is the common name for the disease caused by *Phytophthora infestans* in potatoes?

- a. Powdery mildew
- b. Root rot
- c. Late blight
- d. Leaf curl

49. What is the role of nitrogen-fixing bacteria in the soil?

- a. Decompose organic matter
- b. Convert nitrogen gas to ammonia
- c. Absorb water and nutrients
- d. Provide resistance to pests

50. What is the primary benefit of using green manure in agriculture?

- a. Increase soil erosion
- b. Improve soil fertility
- c. Control pests
- d. Reduce weed growth

ANSWER KEY

1.	b	2.	b	3.	d	4.	d	5.	c
6.	b	7.	b	8.	b	9.	b	10.	d
11.	c	12.	c	13.	c	14.	c	15.	a
16.	a	17.	c	18.	a	19.	b	20.	d
21.	a	22.	c	23.	d	24.	a	25.	c
26.	c	27.	b	28.	c	29.	b	30.	c
31.	c	32.	c	33.	b	34.	c	35.	c
36.	c	37.	b	38.	b	39.	b	40.	c
41.	b	42.	c	43.	a	44.	a	45.	b
46.	a	47.	c	48.	c	49.	b	50.	b