

Answer **all** the questions.

Each question is followed by **four** options lettered **A** to **D**. Find out the correct option for **each** question and shade **in pencil** on your answer sheet, the answer space which bears the same letter as the option you have chosen. Give only **one** answer to **each** question.

Do **all** rough work on this question paper.

Now answer the following questions.

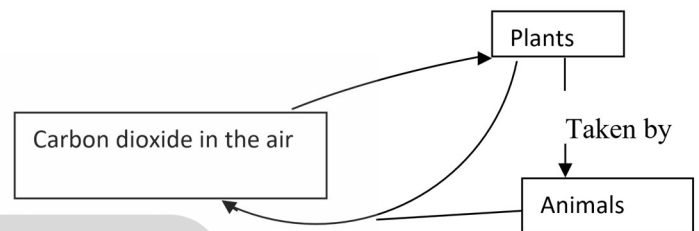
1. One of the reasons for preparing seedbed is to
 - A. beautify the bed
 - B. promote weeds growth
 - C. promote drainage
 - D. promote the spread of pests
2. Which of the following reasons indicate why farmers practice mixed farming?
 - A. Farmers can specialize in either the growing of crops or rearing of animals.
 - B. Farmers can use the manure from animals to fertilize their crops.
 - C. Farmers can easily control pests and diseases on their farm.
 - D. Farmers can easily secure loan to expand their farms
3. Which of the following is correct
 - A. Farmer → retailer → wholesaler → consumer
 - B. Farmer → consumer → retailer → wholesaler
 - C. Farmer → wholesaler → retailer → consumer
 - D. Farmer → wholesaler → consumer → retailer
4. Burning as a method of land preparation should not be encouraged because it
 - A. compacts the soil
 - B. destroys soil texture
 - C. destroys weed seeds
 - D. destroys soil organic matter
5. One of the problems facing agricultural development in the country is
 - A. unavailability of productive land
 - B. lack of industries
 - C. inadequate financing
 - D. low income of consumers
6. Which of the following pair of farming system uses bush fallowing?
 - A. Land rotation and organic farming
 - B. Shifting cultivation and monoculture
 - C. Crop rotation and organic farming
 - D. Shifting cultivation and land rotation
7. Which of the following are advantages of the communal land ownership system
 - I. Every member of the community has a piece of land on which to farm.*
 - II. Co-operative farming is possible under this system.*
 - III. Non-family members do not have access to land.*
 - IV. Land can be used as a security for loans.*
 - A. **I** and **II** only
 - B. **II** and **III** only
 - C. **I** and **III** only
 - D. **III** and **IV** only
8. A major objective for establishing woodlot is to provide
 - A. firewood
 - B. food
 - C. shelter
 - D. recreation
9. In the internal combustion engine, the device in which fuel breaks down into tiny droplets and mix with air is
 - A. fuel tank
 - B. fuel pump
 - C. manifold
 - D. carburetor

10. Which of the following implements is best used for initial breaking of the soil during land preparation?
- Harrow
 - Plough
 - Ridger
 - Rotary cultivator
11. The correct sequence of the operation of the combine harvester is
- cutting, threshing, drying and winnowing
 - cutting, threshing, winnowing and drying
 - cutting, drying, threshing and winnowing
 - cutting, winnowing, threshing and drying
12. The disc coultter, landside and share are component parts of a
- Cultivator
 - disc plough
 - mouldboard plough
 - Planter
13. Which of the following steps gives the correct sequence for surveying a farmstead?
- Preliminary→survey→reconnaissance→mapping
 - Preliminary →survey→ mapping →reconnaissance
 - Mapping→reconnaissance→preliminary→survey
 - Reconnaissance→ preliminary→survey→mapping
14. Horizons A and B of the soil profile feature prominently in
- young soils
 - mature soil
 - alluvial soils
 - sodic soils
15. Marble is formed from
- limestone
 - quartzite
 - shale
 - schist

16. Which of the following methods of fertilizer application is most appropriate for supplying micro-nutrients to plants?
- Foliar application
 - Side dressing
 - Ring application
 - Top dressing

Use the diagram below to answer questions 17 and 18.

Diagram



17. An appropriate title of the diagram is the
- hydrogen cycle
 - nitrogen cycle
 - water cycle
 - carbon cycle
18. The process that converts carbon dioxide in the air into compounds stored in the plant cell is known as
- carbonation
 - nitrification
 - photosynthesis
 - respiration
19. The processes that enable animals to release carbon dioxide into the air
- respiration and decay
 - respiration and ammonification
 - nitrification decay
 - denitrification and ammonification
20. Determine the number of kilograms of nitrogen contained in a 50kg bag of NPK 5-10-5 fertilizer.
- 2.5kg
 - 10.0kg
 - 12.5kg
 - 25.0kg

21. Which of the following practices is the most suitable method for conserving moisture in the soil?
- Alley cropping
 - Cover cropping
 - Mulching
 - Terracing
22. The virus that causes the rosette disease of groundnut is transmitted by
- ant
 - aphids
 - capsids
 - mealybug
23. Pure lines of crop plants are produced through continuous
- cross-breeding
 - in-breeding
 - selection
 - hybridization
24. Which of the following forms of plant propagation method is limited to plants which root easily?
- Grafting and budding
 - Budding and layering
 - Grafting and cutting
 - Layering and cutting
25. Sunflower, African marigold and Bryophyllum are examples of
- evergreen trees
 - hedge plants
 - ground cover
 - bedding plants
26. The vector of cocoa swollen shoot disease is controlled through the application of
- Insecticides
 - fungicides
 - nematicides
 - rodenticides
27. Which of the following factors should be considered in selecting cover crops? The cover must
- be easy to propagate
 - compete with those of the main crops
 - Have root capable of binding soil to prevent erosion
- I and II only
 - II and III only
 - I and III only
 - III and IV only
28. Determine the plant population per hectare for maize spaced at 80cm by 40cm with 2 plants per stand.
- 31,250 plants
 - 62,500 plants
 - 3,200 plants
 - 6,400 plants
29. Which of the following effects of diseases on crops are true?
- Reduction in quality of produce
 - Reduction in photosynthetic ability
 - Reduction in cost of production
 - Reduction in yield of the produce
- I and II only
 - I and III only
 - I, II and III only
 - I, II and IV only
30. Pricking -out is carried out in the nursery in order to
- reduce disease infection
 - increase soil temperature
 - reduce competition among plants
 - harden the seedlings
31. Which of the following classes of feed has the highest protein content?
- Broiler starter
 - Chick starter
 - Growers mash
 - Layers mash
32. An example of a disease caused by nutrient deficiency in farm animals is
- brucellosis
 - ketosis
 - red water disease
 - Newcastle disease

33. Which of the following hormonal functions can be attributed testosterone?
- I. Stimulation of ovulation
 - II. Induces the symptoms of heat
 - III. Promotes spermatogenesis
 - IV. Aids in the transport of spermatozoa
- A. I and II only
B. II and III only
C. I and IV only
D. III and IV only
34. Bladder worm is a developmental stage in the life cycle of the
- A. aphid
B. hookworm
C. liverfluke
D. tapeworm
35. Three common sources of protein in animal feeds are
- A. soyabean meal, fish meal and rice bran
B. fish meal, cotton seed and maize meal
C. soyabean meal, fish meal and groundnut cake
D. copra cake meal, wheat bran and bone meal.
36. In the hen, fertilization takes place in the
- A. funnel
B. isthmus
C. magnum
D. uterus
37. Determine the number of birds that can occupy a space of 20 m by 16 m if each bird is allowed a space of 0.25 m²
- A. 80 birds
B. 320 birds
C. 1280 birds
D. 1600 birds
38. The protozoa that causes trypanosomiasis disease in cattle are transmitted by
- A. lice
B. ticks
C. tsetse flies
D. whiteflies

39. Coccidiosis in poultry is caused by a
- A. bacteria
B. protozoan
C. tapeworm
D. virus
40. In farm animals, the period during which development of young animals occurs in the uterus is referred to as
- A. oestrus period
B. gestation period
C. parturition period
D. ovulation period
41. The best way to control swollen shoot of cocoa is to
- A. cut and allow the tree to grow again
B. spray with an insecticide
C. Spray with a fungicide
D. cut and uproot all the plants
42. The swollen shoot of cocoa is caused by a
- A. nematode
B. virus
C. bacterium
D. fungi
43. For agricultural extension to be effective, there should be a
- A. researcher, extension agent and client
B. researcher, extension agent and entomologist
C. researcher, extension agent and cocoa agent
D. researcher, extension agent and pathologist
44. Which of the following processes reduce the level of dissolved oxygen in a fish pond?
- I. Decay of organic matter
 - II. Decrease in the water temperature
 - III. Respiration of living things
 - IV. Stirring the pond with poles
- A. I and II only
B. II and III only
C. I and III only
D. III and IV only

45. Animals are creep- fed to
- A. increase the weaning weight of the young ones.
 - B. ensure that weak animals are adequately fed.
 - C. reduce excessive fat formation in animals.
 - D. ensure that animals do not lose weight.

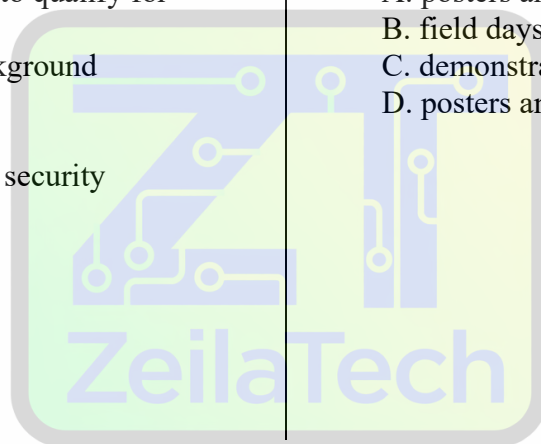
46. Parasites of farm animals can be controlled by
- A. vaccination and spraying
 - B. dipping and drenching
 - C. fumigation and vaccination
 - D. dipping and fumigation

47. Which of the following condition should be fulfilled by a farmer in order to qualify for credit?
- A. Good educational background
 - B. Sound body and mind
 - C. Small family size
 - D. Provision of collateral security

58. In farm business, the factors of production are collectively known as
- A. asset
 - B. inputs
 - C. liability
 - D. output

49. The law of diminishing returns begins to operate when the
- A. total product begins to rise.
 - B. total product begins to fall.
 - C. marginal product begins to fall.
 - D. average product begins to rise.

50. Which of the following pairs of extension teaching methods are examples of the group methods?
- A. posters and fields days
 - B. field days and demonstration
 - C. demonstrations and mobile cinemas
 - D. posters and mobile cinemas



Smart Learning Tools

END OF PAPER