**AGRICULTURE REVISION QUESTIONS**

1. Explain the various reasons for draining land
2. Describe the methods of draining land
3. What are the x-tics of a poorly drained soil?
4. What are the merits of surface and subsurface drainage?
5. Explain the ecological factors that favour the development and establishment of pests in an area
6. State the adaptations of the major crop pests
7. What are the major challenges of using pesticides in crop production?
8. Describe the various sources of farm power
9. Explain the main challenges to agricultural mechanization in Uganda
10. Define the following terms
    1. Effective demand
    2. Joint demand
    3. Derived demand
    4. Complementary product
    5. Composite product
    6. Supply schedule
11. Define the following terms as used in farm accounting and state whether they costs or receipts
12. Added receipts
13. Reduced receipts
14. Marginal cost
15. Prime cost
16. Reduced cost
17. Marginal product
18. Explain the importance of stores in crop production
19. Describe the features of a good store for farm produce
20. Explain the different costs that crop farmer may meet during production
21. How can a farmer minimize costs on the farm to ensure high profits?
22. Explain the various ways of improving dairy cattle production at the farm
23. Outline the steps taken by government ot revamp the dairy industry

Given maize bran 18% crude protein, Soya meal 42% crude protein, fish meal 43% crude protein and rice bran 12% crude protein. Show how you can formulate a ration that is 16% crude protein giving an allowance of 4% minerals to make 10 bags of 100kg each

1. Explain the factors that may the determine the level of feed utilization in farm animals
2. Giving examples, state the role played by feed additives in animal nutrition
3. Explain the agronomic practices that increase crop yields
4. Explain the aims of improving crop production through breeding
5. What are the main methods of crop breeding?
6. Describe the various methods of crop propagation
7. Explain the difference between power and energy
8. State the factors that may determine the level of power out put by machines
9. Give four examples of simple machines used on the farm and their work
10. Given the following, draw up a balance sheet as at 31st December 2008

Building repairs 1000000

Debits payable 2000000

Salary 6000000

Interest on loan 2000000

Insurance 1000000

Cash at hand 500000

Rent 700000

Closing valuation 2500000

Advertisement 1000000

Account payable 2000000

Pay as you earn 1000000

Value of tractor 3000000

Prepaid expense 1500000

1. Find out the net worth and explain the likely cause of the result
2. Explain the challenge to records management amongst farmers
3. Explain the value of forest conservation
4. Why is the management of forests difficult in Uganda Today?
5. Describe the various farming systems that are destructive to the environment
6. Why should government operate the settlement and resettlement schemes?
7. State the problems encountered while resettling people

In beans, the red variety is dominant over the white. Smooth seed is dominant over wrinkled seeds. When the red smooth seed is crossed with the white wrinkled seed, all F1 seeds are red and smooth

1. Giving a reason, state the genotype of the two plants
2. If the F1 seeds are crossed, what would be the percentage of the characters in F2 generation?
3. State any other desirable characters that are worth improving in beans
4. What is the difference between integrated pest management (IPM) and biological pest control?
5. What are the merits of using IPM in pest management?
6. State the prerequisites to effective pest control

Plastics and metals can be used in construction of farm structures. State the merits of using each in construction

What are the limitations of using both in construction?

1. What is the difference between inbreeding and line breeding?
2. Explain the merits and demerits of inbreeding in cattle improvement
3. Describe the various methods of preserving wood as a fencing material
4. Describe the features of a good barbed wire fence
5. Outline the steps taken to raise a four strand barbed wire fence
6. Describe the x-tics of the various breeds of pigs
7. Discuss the major vices practiced by pigs
8. How can a farmer manage gilts from birth to farrowing?
9. What is the difference between seed germination and dormancy?
10. What is the significance of seed dormancy in plants?
11. How does temperature, inhibitors, light and moisture affect seed germination?
12. What is the difference between a stem and root?
13. Plant stems and roots can be used in propagation. State the merits and demerits of using such in propagation
14. State the functions performed by roots and stems in crops
15. Explain the factors that may affect the farmer’s decision of which machinery or tools to use on the farm
16. Describe the role performed by seed planters in planting seeds
17. What are the advantages of using seed planters?
18. Explain the factors that may determine the type of livestock to be raised on a farm
19. Describe the procedure followed when introducing exotic cattle on a farm
20. How can you ensure high production from dairy animals?
21. Explain the various faults that may hinder a diesel engine from starting
22. Show how such faults may be corrected
23. What are the merits of using diesel engines in farm operations?
24. What is the difference between a tractor mounted and tractor power driven implement
25. Give three examples in each case
26. Describe how a tractor mounted implement can be hitched on a tractor
27. Explain the factors responsible for herbicide selectivity
28. State the factors that may lower the effectiveness of herbicides
29. Describe t6he various types of herbicides used in crop production
30. Explain the factors affecting availability of crop nutrients in the soil
31. What may determine crop response to soil nutrients?
32. Explain the problems of communal grazing
33. Suggest ways of improving communal grazing
34. State the major steps followed in improving the productivity of small ruminants
35. What are the merits of small ruminant production?
36. What is the difference between a risk and uncertainty?
37. Explain how a farmer can control the risks and uncertainties using the various ways
38. What are the merits of diversification of production in agriculture?
39. Describe the characteristics of a good site for a store
40. What are the major parts of a farm building?
41. Explain the features of a good house for a maize mill
42. Explain the factors that may determine a farm lay out
43. State the factors that may determine the design and durability of farm structures
44. How do farmers maintain farm buildings and structures?
45. Explain the factors that may influence the efficiency of any irrigation method
46. Describe the various methods of irrigation used
47. What are the challenges faced by farmers in using irrigation in crop production
48. State the characteristics of agriculture production in Uganda
49. State the role played by agriculture in rural development
50. Explain the policies that government can adopt to improve the productivity of agriculture in Uganda
51. Explain the nature of demand that the following products are likely to experience
    1. Competitive products
    2. Joint products
    3. Complementary products

b) With the help of suitable illustrations, show how the cob web theory explain price fluctuations in agriculture

1. State the factors that may determine the nature of a dam constructed on a farm
2. Explain the factors that may affect the quality of water supplied at the farm
3. Mention the various water storage structures on the farm
4. Explain the reasons for taking safety precautions when using chemicals on the farm
5. Explain the merits of using herbicides in weed control
6. Describe the steps taken in eliminating stubborn weeds in the garden
7. Explain the steps taken to improve the supply of agriculture produce
8. State the ways of improving marketing of agriculture produce
9. Explain the adaptations of internal parasites to their mode of life
10. State the physical damages inflicted by parasites to farm animals
11. How can the spread of internal parasites on the farm be halted?
12. Explain the various ways of drying off farm animals
13. Why is a dry period important in dairy animals?
14. What is the difference between colostrums and ordinary milk?
15. State the x-tics of a good seed for planting
16. Explain the merits of row planting over broadcasting
17. State the x-tics of a good seed for planting
18. Explain the merits of row planting over broadcasting
19. What are the advantages of planting seeds on ridges?
20. Explain the reasons for processing and packing of agriculture produce
21. Why are agriculture products difficult to market?
22. Explain the conditions favoring flocculation in soil
23. State the importance of soil structure conservation
24. Mention four farming practices that destroy soil structure
25. Explain the factors favoring the use of hand tools in agriculture
26. Why should farmers change from level one to two of agriculture mechanization?
27. State the factors that affect the use animal power in agriculture
28. How does soil ph affect the availability of phosphorus and potassium ions in soils
29. What may lower soil ph on arable land?
30. What are the advantages of liming soil?

Explain the working of a carburettor in a petrol engine

How can you maintain a petrol fuel system in good working conditions?

Describe the working of a coil ignition system

Describe the methods of maintaining the electrical system in good working condition

1. Explain the role played by hormones in milk secretion and let down
2. State the factors that may determine the amount of milk produced by dairy animal
3. State the x-tics of undesirable nature pasture
4. Explain the factors considered before establishing a pasture
5. What are the advantages of using legumes in a pasture?
6. With the help of a diagram, explain the various stages of a production function
7. State the determinants of labour supply
8. How can you improve labour efficiency and mobility on the farm?
9. How can you improve bird production under the free range system?
10. State the merits of the free range system over deep litter system
11. Mention the various ways of maintaining high quality litter in poultry house
12. Describe the methods of controlling disease in a deep litter house
13. What is cross breeding?
14. Explain the various methods of selecting farm animals for a breeding program
15. What is the meaning of the following?
    1. Out breeding
    2. Up grading
    3. Heterosis

d) What are the objectives of animal breeding?

Explain the causes of low soil productivity

State the various ways of improving soil productivity

Mention 5 ways of conserving soil moisture

Explain the main features of a good cattle dip

State the safety precautions taken while using cattle dips in vector control

What are the demerits of using cattle dip in tick control

Explain the role played by hormones in reproduction of farm animals

Mention the causes of low fertility in farm animals

Describe the various ways of improving and maintaining a high breeding efficiency

State the signs of pregnancy and calving in cattle

State the merits of cereal and root crop production

Explain how crop of maize and cassava can be raised from planting to harvesting

Explain the signs of disease in crops

State the common signs of viral diseases in crops and control measures

Explain the major causes of disease in crops

What is the difference between a subsidy and credit?

Explain the various ways improving the use of credit amongst farmers

What is the use of credit in agriculture?

Explain the role played by research stations and training centres in agriculture

What are the objects of rural development?

Describe the management practices carried out in sheep to ensure successful breeding

State the factors affecting the quality of wool produced by sheep