

## AGRICULTURE ESSAY

1. Describe any **five** types of soil structures (10 Marks)
2. Explain any **five** ways in which soil texture can be maintained and improved (10 Marks)
3. Describe any **five** physical properties of the soil (10 Marks)
4. Describe any **five** factors that affect soil pH (10 Marks)
5. Describe any **five** advantages of sexual propagation (10 Marks)
6. Using a well labelled diagram describe the following processes
  - A. Layering
  - B. Budding
  - C. Grafting (10 Marks)
7. Describe **five** advantages of asexual propagation (10 Marks)
8. Explain any **five** roles of essential plant nutrients in proper plant growth and development (10 Marks)
9. Describe any **five** ways in which essential plant nutrients are depleted in the soil (10 Marks)
10. Explain any **five** impact of weeds (10 Marks)
11. Describe any **three** methods of weeds control (10 Marks)
12. Describe any **five** harmful effects of pests (10 Marks)
13. Describe any **five** legislative measures of controlling pests and diseases (10 Marks)
14. In what way is chemical weed control advantage, give **five** points (10 Marks)
15. Describe any **five** importance of fruits (10 Marks)
16. Describe any **five** factors which needs to be considered when feeding animals (10 Marks)
17. Explain the steps which needs to be followed when formulating a ration using a Pearson square (10 Marks)
18. Write brief notes on the following members of a marketing channels
  - A. Agriculture development and marketing corporation
  - B. Middlemen
  - C. Producers
  - D. Consumer (10 Marks)
19. Explain any **five** ways in which the marketing margins can be reduced (10 Marks)

20. Explain any **five** ways in which population distribution by location affects the marketing of agricultural products (10 Marks)
21. Explain any **five** reason why farmer keep records (10 Marks)
22. Explain any **five** objectives of crop improvement in maize that would contribute towards ending world hunger (10 Marks)
23. Explain any **five** ways in which the depth of soil affects plant growth and development (10 Marks)
24. Describe any **five** factors that affect milk yield in a dairy cow (10 Marks)
25. “Evidence shows that the use of agricultural technology in Malawi is biased towards males.”

Explain any **five** causes for this. (10 Marks)

26. Explain any **five** ways in which research could promote high food production in Malawi.
27. Describe any **five** factors that should be considered when mechanizing a farm. (10 Marks)
28. Describe any **five** characteristics of soil that makes it suitable for crop production. ( 10 Marks)
29. Low income farmers are living near Rural Growth Center where demand for agricultural products is high. They have the following resources and services at their disposal: Large arable land and herd of cattle, Agricultural Research and Extension Trust (ARET), Ox-training unit, Agricultural Trading Company (ATC), Extension Planning Area (EPA), ADMARC and a perennial river. Despite of having all these resources, they live in an abject poverty. (10 Marks)
30. Explain any **five** ways in which the farmers could seize this business opportunity in order to maximize profit.

Malawi as a country faces a lot of challenges to trade her agricultural products.

Describe how our beloved country can promote international trading of agricultural commodities. (10 Marks)

31. The development of the technique of artificial insemination has been very beneficial to the livestock farmers in Malawi. Explain some of the obstacles that prevent some farmers from making use of this technology. (10 Marks)
32. It is important to prevent soils degradation rather than attempting to cure it after the damage has been done. Explain how farmers in your area use physical methods of conserving soil. ( 10 Marks)
33. It is said that in a hen the process of making an egg takes roughly 24 hours so that it is only possible for a hen to lay one egg daily. With the aid of a large, well labelled diagram discuss the process of egg making up to the time of lay. ( 10 Marks)
34. Explain any **five** objectives of crop improvement in maize that would contribute towards ending world hunger (10 Marks)
35. Explain any **five** ways in which the depth of soil affects plant growth and development
36. Describe any **five** factors that affect milk yield in a dairy cow ( 10 Marks)
37. “Evidence shows that the use of agricultural technology in Malawi is biased towards males.” Explain any **five** causes for this. (10 Marks)
38. Explain any five ways of controlling diseases in sheep (10 marks)
39. With the aid of well labelled diagram explain how fruits can be propagated by layering (10 marks)
40. Describe five factors to consider when feeding animals (10 marks)
41. Explain five ways in which weeds are harmful in crop production (10 marks)
42. Explain any five seed treatments done in pasture establishment. (10 Marks)
43. Discuss any five signs of heat in a cow. (10 Marks)
44. With the aid of well labelled diagram explain how an egg is produced in a chicken (10 Marks)
45. Explain any **five** factors to consider before choosing an irrigation system. ( 10 Marks)

46. Explain any **five** factors that affect enterprise combination. (10 Marks)
47. With the aid of a well labelled diagram, describe egg production process in a hen. (10 Marks)
48. Explain any five ways of conserving water. (10 Marks)
49. Explain five effects of weeds in crop production (10 Marks)
50. Outline five factors that influence the adoption of crop rotation program (10 Marks)
51. Outline the 2 methods of weed control comprised of their advantages and disadvantages. (10 Marks)
52. With the aid of well labeled diagrams describe how you would determine texture of the soil using manipulative method. (10 Marks)
53. Discuss advantages and disadvantages of asexual propagation. (10 Marks)
54. Explain any five ways of controlling diseases in sheep. (10marks)
55. With the aid of a well labeled diagram explain how fruits can be propagated by layering. (10marks)
56. Describe five factors to consider when feeding animals. (10marks)
57. Explain five ways in which weeds are harmful in crop production. (10 Marks)
58. Explain any five differences between marketing and trading of agricultural commodities.
59. You are provided with samples of sand, silt and clay. With the aid of suitable diagrams, describe an experiment you would carry out to determine drainage properties of the given soil samples. In your description include: aim of the experiment, apparatus used, expected results and conclusion (10 Marks)
60. Discuss any five main causes of gender bias in agricultural development in Malawi. (10 Marks)
61. Discuss any five ways in which graphic aids can be effectively used in writing a report of an agricultural experiment. (10 Marks)
62. Explain any **five** factors that contribute to the success of agricultural cooperatives.
63. Describe any **five** agricultural technologies which ensure food security. (10 Marks)
64. With the aid of well labelled diagram describe the reproductive system of a bull (10 Marks)
65. Explain any **five** measures which can be used in Legislative control of pests and diseases which reduce crop yields and farmers income (10 Marks)