

MKOMA CLUSTER EXAMINATION BOARD

2020 PRIMARY SCHOOL LEAVING CERTIFICATE OF EDUCATION MOCK

PRIMARY SCIENCE

Time allowed: 2 hours

Wednesday 11th March, 2020

(100 Marks)

(08:00 – 10:00am)

School name: _____

Name _____

(surname first)

Instructions

- This paper has 4 pages. Please check.
- Write your name and name of your school on spaces provided

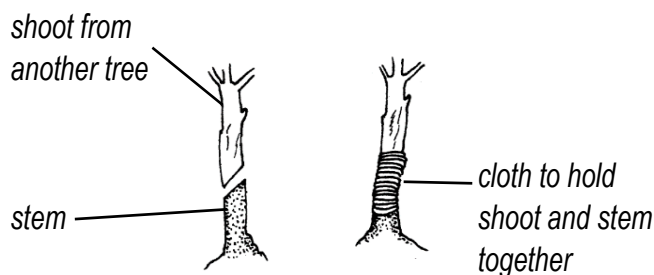
SECTION A MULTIPLE CHOICE (40 MARKS)

Agriculture

1. How can a hoe as a farm tool be maintained?
(a) Remove soil
(b) Replace broken handle
(c) Greasing
(d) Wash with water
2. Define the term Olericulture.
(a) The growing of arable crops
(b) The growing of vegetables only
(c) The growing of fruits and vegetable
(d) The growing of trees
3. The following are the aims of agriculture as a business except...
(a) Source of raw materials
(b) Increase yield per unit area.
(c) Reducing cost per unity area
(d) Maximizing profits
4. State one problem of farm business.
(a) Labour (b) rain
(b) Weather (d) when to sell
5. _____ is a list of activities to be done in each month of the year.
(a) Irrigation (c) Calendar
(b) Farming (d) farming calendar
6. Why should a farmer add manure to a fish pond?
(a) To reduce temperature of water
(b) To improve the growth of planktons

- (c) To kill fish predators
- (d) To feed the fish

Figure 1 is a diagram showing stages in fruit propagation. Use it to answer questions 9 and 10.



7. What name is given to the method of fruit propagation?
(a) Budding (c) cutting
(b) Layering (d) grafting
8. Which of the following fruits can be propagated by this method?
(a) Bananas and papaws
(b) Oranges and mangoes
(c) Mangoes and papaws
(d) Mangoes and bananas
9. Which of the following is a disadvantage of free range system of keeping chicken?
(a) Chicken house is cheap
(b) Chicken can find food for themselves
(c) Manure is well spread over the field
(d) Chicken can easily catch diseases
10. Which of the following activities is not among the four main types of animal husbandry?
(a) Housing (c) breeding
(b) Browsing (d) feeding
11. Why don't we apply fertilizer to groundnuts?
(a) Have low prices (c) they grow fast
(b) It fixes nitrogen (d) non of these



12. Which of the following is the function of lance in a sprayer?
(a) Keeping spray (c) delivering spray
(b) Controlling spray (d) filtering spray
13. Which of the following is not a principle of farm business?
(a) What to produce (c) demand and supply
(b) Substitution of inputs (d) comparative advantage
14. Why is a farmer advised to paint wheel barrow?
(a) To reduce friction (c) to prevent rusting
(b) To make it strong (d) to attract customers
15. Which of the following methods is used to improve soil fertility?
(a) Water holding capacity (c) fruit harvest
(b) Making dams (d) crop rotation
16. The following are deficiency sign of potassium except
(a) Weak stems (c) immature fruit fall
(b) Poor quality of fruits (d) poor root development
17. Which of the following is a breed of rabbit?
(a) Angora (c) California
(b) Afrikander (d) Jersey
18. Which of the following is a factor necessary for selecting good seed for planting?
(a) Colour (c) shape
(b) Size (d) viable
19. Define stocking in fish farming.
(a) Selling fish
(b) Parching of fish
(c) Harvesting fish
(d) Putting live fish in a pond
20. _____ is the growing crops and rearing animals on land for people's use.
(a) Agronomy (b) agriculture
(b) Apiculture (d) agroforestry

SCIENCE AND TECHNOLOGY

21. Give one example of invertebrate animal.
(a) Tortoise (c) lizards
(b) Grasshopper (d) snake
22. The part of the flower that produces pollen is called...
(a) An anther (c) style
(b) Stigma (d) ovary

23. Energy of movement is called ...
(a) Potential energy (c) kinetic energy
(b) Electric energy (d) chemical
24. Which of the following is the function of the liver?
(a) To transport food
(b) To store excess food
(c) to remove excess food
(d) To regulate how much oxygen to be transported by blood
25. The most effective way of controlling HIV and AIDS among the youth is ...
(a) Using condoms
(b) Abstinence
(c) Being faithful
(d) Not sharing sharp objects
26. Which of the following diseases can be controlled by practicing kitchen hygiene?
(a) Cholera (c) scabies
(b) Malaria (d) goiter
27. Who are invalids?
(a) People who do not eat meat and animal products
(b) People who are ill
(c) People recovering from illness
(d) People above the age of 65
28. Which of the following is not a condition necessary for seed germination?
(a) Soil (c) warmth
(b) Moisture (d) air
29. What is the purpose of carrying out a scientific investigation?
(a) Collecting data through experiment
(b) Coming up with variables
(c) Destroying the experiment
(d) Finding out the truth about something.
30. What name is given to the force of the earth exerts on object?
(a) Magnetic force (c) attractive force
(b) Frictional force (d) gravitational force
31. How should the brain be cared for?
(a) Indulge in drug and substance abuse
(b) Refrain from doing exercises
(c) Having enough rest
(d) Avoid carrying heavy objects



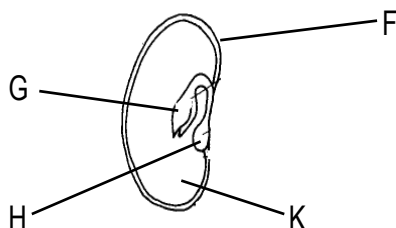
32. Where does fertilization in a woman take place?

- (a) Ovary (c) fallopian tube
- (b) Vagina (d) uterus

33. Which of the following is not a laundry agent?

- (a) Soaking (c) soap
- (b) Water (d) bleaches

Figure below shows a diagram of a bean seed. Use it to answer questions 34 and 35



34. What name is given to the part labelled K

- (a) Radicle (c) testa
- (b) Embryo (d) cotyledon

35. Which part provide food for the growth of the embryo

- (a) F (b) K (c) G (d) H

36. What blood vessel carries blood from the heart to all parts of the body?

- (a) Venacava (c) capillaries
- (b) Aorta (d) valves

37. AIDS means Acquired Immune Deficiency Syndrome.

Acquired means

- (a) A lot of signs and symptoms
- (b) Got from
- (c) Lack of protection
- (d) Immune systems

38. Which part of the brain is responsible for controlling body activities?

- (a) Spinal cord (c) Cerebrum
- (b) Medulla Oblongata (d) Obesity

39. Lack of essential nutrients in the body is called ...

- (a) Malnutrition (c) undernutrition
- (b) Nutrition (d) obesity

40. Why should coloured articles be hanged in the shade?

- (a) To prevent bleaching
- (b) To prevent mildews
- (c) To prevent stuffiness
- (d) To prevent damping

SECTION B STRUCTURE

Agriculture (30 marks)

41. (a) What is weeding?

_____ (1 mark)

(b) Mention two methods of weeding.

_____ (2 marks)

(c) Name any two farm implements that you know.

_____ (2 marks)

(d) Why is weeding important? Give two reasons.

_____ (2 marks)

42. (a) Name any two types of forest.

_____ (2 marks)

(b) Give any three characteristics of exotic trees

_____ (3 marks)

(c) Explain any one way in which trees reduce soil erosion.

_____ (2 marks)

Figure 3 below is a diagram showing two cassava cuttings planted differently.



43. (a) Which letter represents the recommended way of planting cassava cuttings?

_____ (1 mark)

(b) Why is it important to plant cassava in the manner mentioned in 43a above?

_____ (1 mark)

(c) List any two pests of cassava.

_____ (2 marks)

(d) Mention any two disease of cassava.

_____ (2 marks)

44. (a) What is vegetative propagation?

_____ (2 marks)

(b) How are bananas propagated?

_____ (1 mark)

(c) A garden of fruit trees is called ...

_____ (1 mark)

45. (a) Give three types of agroforestry

_____ (3 marks)

(b) Define poultry.

_____ (1 mark)

(c) What is the staple food crop of Malawi?

_____ (2 marks)

SCIENCE AND TECHNOLOGY (30 marks)

46. (a) Give any two examples of animal stains.

_____ (2 marks)

(b) Draw and name the following symbols in electricity.

(i) Bulb. (1 mark)

(ii) Fuse. (1 mark)

(iii) Switch. (1 mark)

(c) Explain two reasons why a parallel circuit is better than a series circuit?

_____ (4 marks)

47. (a) Give two functions of skeleton.

_____ (4 marks)

(b) Name two types of joints.

_____ (2 marks)

(c) Write three stages in a scientific investigation.

_____ (3 marks)

(d) What do you understand by the term variable in scientific investigation?

_____ (2 marks)

48. (a) What is the difference between vertebrates and invertebrate animals?

_____ (2 marks)

(b) Give two groups of flat worms.

_____ (4 marks)

(c) List down four examples of arthropods.

_____ (4 marks)