



EPHANGWENI KAKOMA MOCK 1
2023-2024 PRIMARY SCHOOL LEAVING CERTIFICATE MOCK
PRIMARY SCIENCE

Subject number: P163
Time allowed: 2Hrs
(08:00am – 10:00am)

Friday, 27th October, 2023

Name : _____
(Surname first)

School Name: _____

SECTION A (40 MARKS)

AGRICULTURE

1. Site selection is important before land preparation because it helps farmers to _____
 - a. Obtain agricultural loans
 - b. Clear the land adequately
 - c. Obtain enough farm inputs
 - d. Choose suitable land
2. Which of the following is a sign of foot- and-mouth disease in cattle?
 - a. Lameness
 - b. Diarrhea
 - c. Swollen lymph nodes
 - d. Coughing
3. Why is wood ash added when making compost manure?
 - a. To encourage decomposition by bacteria
 - b. To improve aeration
 - c. To reduce acid
 - d. To prevent bad smell
4. Which of the following is a daily breed of cattle?
 - a. Abrahman
 - b. Jersey
 - c. Charrolais
 - d. Hereford
5. to which sub branch of agriculture does the growing of fruits only belong
 - a. olericulture
 - b. pomoculture
 - c. floriculture
 - d. horticulture

6. "out breeding" as a method of improving local goats means
 - a. Mating local goats with other breeds
 - b. Breeding local goats of desirable characteristics
 - c. Castrating goats with underable characteristics goats with undesirable characteristics
 - d. Mating unrelated local goats with desirable characteristics

Figure 1 is a diagram of a rabbit breed. Use it to answer questions 7 and 8

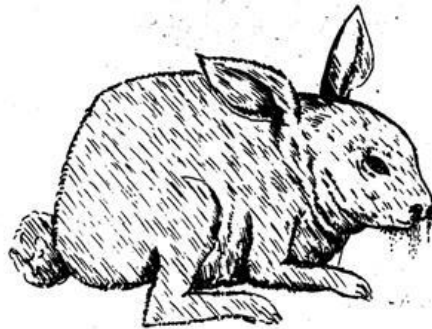


Figure 1

7. Identify the breed
 - a. Africander

- b. New Zealand white
 - c. California black
 - d. Flemish giant
8. Which of the following is a characteristic of rabbit breed above.
- a. It is white in colour
 - b. It is grey in colour
 - c. It is big in size
 - d. It is small in size
9. The following are major soil nutrient except
- a. Calcium C .Chlorine
 - b. Sulphur D. Potassium
10. Give a reason why supplying is important in groundnuts
- a. It helps to maintain plant population
 - b. It helps to control the growth of weeds
 - c. It helps to reduce crop yield
 - d. It helps to control diseases

Figure 2 is a diagram of a farm tool. Use it to answer questions 11 and 12

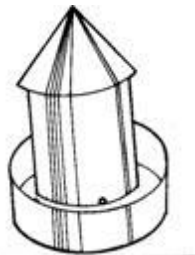


Figure 2

11. The name of the farm tool is
- a. Chicken house
 - b. Feed trough
 - c. Incubator
 - d. Water trough
12. For which farm enterprise is the farm tool used
- a. Goat enterprise
 - b. Chicken enterprise
 - c. Sheep enterprise
 - d. Pig enterprise
13. Which of the following is a method of controlling internal parasite in cattle
- a. Drenching
 - b. Dipping
 - c. Spraying
 - d. Quarantine

14. How can termites be controlled in agroforestry?
- a. Fencing the garden
 - b. Pruning the trees
 - c. Inter planting with garlic
 - d. Using natural predators
15. The following are methods of fertilizer application except _____
- a. Side dressing C Banking
 - b. Banding D Foliar
16. Why is sun drying of fish important to a farmer?
- a. To sell the fish quickly
 - b. To improve the quality of the fish
 - c. To cook the fish easily
 - d. It is cheap
17. Which of the following conditions is not necessary for seed germination?
- a. Temperature
 - b. Air
 - c. Water
 - d. Soil
18. Why is pruning done in trees?
- a. To reduce competition for food
 - b. To improve the growth of trees
 - c. To reduce pests attack
 - d. To remove the unproductive branches
19. Which of the following is an importance of early land preparation?
- a. Help to reduce weed growth
 - b. Help the farmer to have enough time to do other agricultural activities
 - c. It is easier to work since the soil is still moist
 - d. It leads to early maturity of the crop
20. _____ is the removal of unproductive animals.
- a. Quarantine C. Castration
 - b. Culling D. Separation

SCIENCE AND TECHNOLOGY 50 MARKS

SECTION B: MULTIPLE CHOICE: 20 MARKS

21. Which part of a seed protect inner parts?
- a. Plumule C. Cotyledon

b. Radicle D. Seed coat
 22. Which of the following is a modern food preservation technology?

- a. Salting C Sun drying
- b. Smoking D Canning

23. What is the function of the blood platelets in the human body?

- a. Transporting oxygen
- b. Dissolving food
- c. Clothing blood
- d. Fighting against diseases.

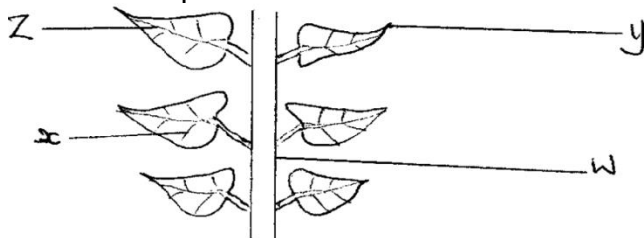
24. Among the following animals, which one is a herbivore?

- a. Lion C. Dog
- b. Pig D. Elephant

25. The population of Mosquitoes can be controlled by?

- a. Using clean toilets
- b. Sleeping under the shade
- c. Taking drugs
- d. Draining stagnant water

Figure 1 shows leaf arrangement. Use it to answer the questions that follow



26. Which of the following letters represents midrib

- a. Y C. X
- b. Z D. W

27. Identify the type of leaf arrangement in the figure.

- a. Alternate
- b. whorled
- c. opposite
- d. pointed

28. The following are examples of sense organs of a human being except.

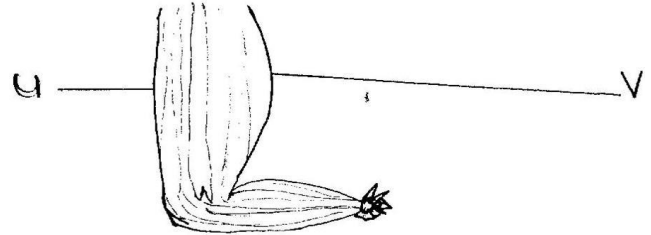
- a. Teeth and mouth
- b. Skin and tongue
- c. Nose and skin
- d. Eye and ear

29. One way of cleaning the home is ____

- a. Urinating anywhere
- b. Disposing wastes in rivers

- c. Digging around the house
- d. Brushing

Figure 2 is a diagram the arm of a human being. Use it to answer questions that follows.



30. Name the muscle that contracts when the arm is bent _____

- a. Triceps
- b. Ulna
- c. Radius
- d. Biceps

31. Identify the part labelled U

- a. Triceps
- b. Radius
- c. Biceps
- d. Ulna

32. Which of the following food provide the body with proteins

- a. Pumpkin leaves C Honey
- b. Mice D. Carrot

33. Anything when eaten or drunk provides the body with nutrients for it to function properly is known as

- a. Meat C. Food
- b. Rice D. Potatoes

34. Where does fertilization take place in the reproductive system of a human being?

- a. Penis C. Ovules
- b. Ovary D. Oviduct

35. Which of the following is the way of improving a traditional kitchen.

- a. Easy to construct
- b. Washing centre
- c. Making the kitchen with a window and chimney
- d. Space limited

36. The following are reasons why people become vegetarians

- a. Religion and health
- b. Taste and school
- c. Animal welfare and community

- d. School and community
- 37. Which of the following is a factor to consider when planning, cooking and serving improved nutritional value dishes
 - a. Method of cooking
 - b. Combining many foods
 - c. Using one pot meal
 - d. Stunted growth
- 38. The process whereby blood oozes out from the body is called____

- a. Breeding
- b. Breeds
- 39. The following are examples of flowering plants
 - a. Moses
 - b. Conifers
 - c. Bleeding
 - d. Bleeds
- 40. Which of the following organs pumps blood to all parts of the body.
 - a. Capillaries
 - b. Arteries
 - c. Algae
 - d. Mangoes
 - C. Heart
 - D. Veins

SECTION B: 30 MARKS
AGRICULTURE

- 41. a) Give one condition in which the following methods of weeding could be used when weeding in a flower garden
 - i. slashing
_____ 1mark
 - ii. hand weeding
_____ 1mark
- b). describe any two activities carried out when preparing land for maize
 - i. _____ 1mark
 - ii. _____ 1mark
- c). Name any two factors to consider when designing an agroforestry plot.
 - i. _____ 1mark
 - iii. _____ 1mark
- 42. a). Give any one sign of maturity in the following fruits
 - i. banana _____ 1 mark
 - ii. avocado pear _____ 1 mark
- b). Figure 5 is a diagram showing a chicken house. Use it to answer questions that follow:



Figure 5

- i. identify the type of chicken house
_____ 1mark
- ii. Give two advantages of the chicken house

(i) _____ (2 marks)

(ii) _____ (2 marks)

43. Figure 6 is a diagram showing an external parasite of goats. Use it to answer questions that follow



Figure 6

a. Identify the parasite _____ 1mark

b. Explain any two effects of the parasite to goats
i. _____
ii. _____ (2 marks)

c. State any two ways of controlling the parasite
i. _____
ii. _____ (2 marks)

44. a). What is meant by “factors of production”

_____ (1 mark)

b). explain any two ways in which improving soil fertility is important
i. _____ (1 mark)
ii). _____ 1 mark

c). Give any two animal husbandry practices
i. _____
ii. _____ (2 marks)

45. a). What is the difference between “demand” and “supply”

_____ (2 marks)

b). Give any three problems of agricultural marketing

_____ (2 marks)

c). list any one common tool used to prune fruit trees
_____ (1 mark)

46. a). State one function of a rake
_____ (1 mark)

b). Describe one difference between natural and planted forests

_____ (2 marks)

SECTION C SCIENCE & TECHNOLOGY

47. List down two uses of indigenous technologies. (2 marks)
a. _____

b. _____

(b) Name the indigenous technology that is used to catch fish. 1 mark

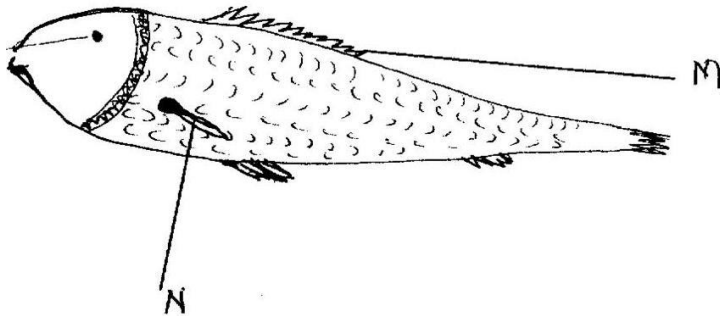
42. (a) mention two sense organs of a human being 2marks

(i) _____

(ii) _____

(b). Explain why a skin is important to a human being. 2 marks

Figure 3 is a diagram. Use it to answer questions 43



43. (a) Identify parts labelled N and M

2 marks

(b) How do fish move in water 1 mark

44. (a) State three characteristics of arthropods 3 marks

(i) _____

(ii) _____

(iii) _____

(b) Where can amoebas be found? 1 mark

45. (a) Mention two uses of heat energy. 4 marks

(i) _____

(ii) _____

46. (a) Define the following terms

1) Invalids 1 mark

2) Convalescents 1 mark

(b) State three necessary conditions for seed germination 3 marks

1) _____

2) _____

3) _____

47. (a) Name two types of vegetarians.

2marks

1) _____

2) _____

(b) What do you understand by the term pollination/

1 mark

(c) Mention two types of pollination?

1). _____

2). _____