

NAME OF CANDIDATE: \_\_\_\_\_

DATE: \_\_\_\_\_

**EXAMINATION No:** \_\_\_\_\_**KAPIRI ZONAL MOCK EXAMINATION BOARD****2020 PRIMARY SCHOOL LEAVING CERTIFICATE MOCK EXAMINATION****PRIMARY SCIENCE****(100 MARKS)****SUBJECT NO: P163****TIME ALLOWED: 2 hours****08:30 – 10:30 am****Name of Candidate:** \_\_\_\_\_ **Name of School:** \_\_\_\_\_**(Surname first)****Instructions****1. This paper contains 7 pages please****check****2. This paper has section A which**consists of **40** Multiple choice andsection **B** with **11** structured questions**3. Answer all question****4. Please make sure you have written your**name and **examination number** and

school name on the question paper in

the spaces provided.

Question number	Tick if 41 – 51 if answered	Do not write in these columns	
1-10			
11 – 20			
21 – 30			
31 – 40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			

**2SECTION A (40 MARKS)****AGRICULTURE**

1. Which of the following is an importance of farm records
  - a. Helps the farmer in budgeting and planning
  - b. Source of income
  - c. Helps the farmer to carry out all farming operations in good time
  - d. Helps the farmer to harvest more yields
2. Why is weeding important in the garden
  - a. Maintain plant population
  - b. To control pests and diseases
  - c. Promote stunted growth of plants
  - d. Makes desirable shape
3. Which of the following is not an important of soil to crops
  - a. Holds plant
  - b. Supply water to plants
  - c. Provides air
  - d. Dissolve nutrients

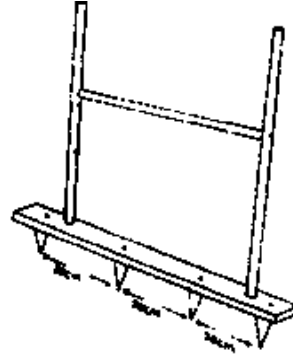
**Figure 1 shows one of farm tools use it to answer question that follows**



4. Name the farm tool drawn above
  - a. Hand fork
  - b. Rake
  - c. sickle
  - d. hand trowel
5. Mention the use of the farm tool named above
  - a. Clearing the land
  - b. Lifting seedlings
  - c. Loosening the soil
  - d. Clearing bushes
6. Which of the following is not the system of keeping children
  - a. Free range
  - b. Stall feeding
  - c. semi – intensive
  - d. intensive
7. Which of the following is a diseases of cassava
  - a. White flies
  - b. Aphids
  - c. mice
  - d. cassava mosaic
8. Why is farming calendar important
  - a. Guides the farmer to carry out all farming activities at the right time
  - b. To increase production
  - c. Helps to control weed growth
  - d. Promotes the growth of plants

9. Which of the following is a characteristics of crumble soil structure
  - a. It has small pores
  - b. The individual soil particles are lightly held together
  - c. It breaks easily
  - d. It looses water quickly

**Figure is shows a farm machinery. Use it to answer questions 25 – 26**



10. Name the machinery drawn above
  - a. Planting frame
  - b. Querns
  - c. gourd
  - d. plunk
11. What is the use of the machinery
  - a. For pruning trees
  - b. For applying fertilizer
  - c. For correct spacing of plant stations
  - d. Storing dried vegetables
12. Among the following breeds of goats which one is a milk goat
  - a. Anglo-nubian goat
  - b. Malawian goat
  - c. Gaddi goat
  - d. Boer goat
13. Why should the bottom of the pond be plastered with lime
  - a. Improve the quality of fish
  - b. To control parasites
  - c. Encourage the growth of planktons
  - d. Increase the breeding offish
14. Which of the following is the system of agroforestry
  - a. Woodlot
  - b. Forest farming
  - c. Improved fallows
  - d. silvol arable

**Figure 3; shows chicken diseases use it to answer question 15 and 16**

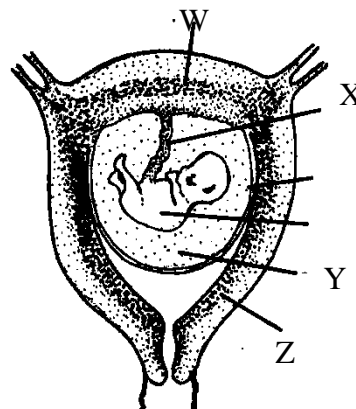


15. Identify the disease
  - a. Fowl pox                      c. coccidiosis
  - b. Newcastle                    d. fowl cholera
16. Which of the following is one way of treating the disease
  - a. Dis-infection                c. vaccination
  - b. Use of antibiotics        d. isolation of infection bird
17. How does grading as a marketing function helps this farmer to make more profit
  - a. Helps the farmer in deciding what to produce
  - b. Make it easy for customers to choose produce
  - c. Helps farmer to produce more produce
  - d. It helps the farmer in pricing
18. Which of the following is an important of ploughing during early land preparation
  - a. Reduce competition of nutrients
  - b. Helps to conserve water
  - c. Create room to tubers to develop
  - d. To loosen the soil
19. Which of the following crops is grown under agronomy
  - a. Cassava                      c. bluegum
  - b. Mangoes                    d. flowers
20. Which of the following is recommended method of irrigation in an orchard
  - a. Sprinkler irrigation        c. flooding irrigation
  - b. Drip irrigation                d. basin irrigation

### SCIENCE AND TECHNOLOGY

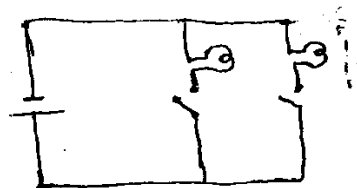
21. Which of the following plants has under-ground stem
  - a. Irish potatoes                c. maize
  - b. Star grass                    d. beans
22. Give one cause of accident in the kitchen
  - a. Removing cobweb
  - b. Taking poisonous substance
  - c. Sleepily floor
  - d. Washing curtain
23. Which of the following is the problem of marketing
  - a. Advertising                    c. grading
  - b. Bad roads                      d. storage
24. Which of the following is the function of bile in digestive system
  - a. Secrete pancreatic juice
  - b. Emulsifies fats
  - c. Stores residues for short time
  - d. Direct the food into gullet

**Figure 4 shows an embryo attached to the uterus use it to answer questions 25 to 27**



25. Identify the parts labelled X and Z
  - a. Umbilical cord and amniotic sac
  - b. Umbilical cord and uterus
  - c. Amniotic sac and uterus
  - d. Vagina and amniotic sac
26. Which of the following is the function of part Y
  - a. It attaches the embryo to the mother
  - b. For health growth of an embryo
  - c. Protect the embryo from external force
  - d. For implantation of the embryo
27. Which of the following parts is exchange of dissolved food substance and oxygen take place
  - a. X                                  c. Z
  - b. Y                                  d. W
28. Among the following which one is the function of vitamin D
  - a. For health gum
  - b. For strong bone and teeth
  - c. For sight
  - d. For healing cuts and wounds
29. Which of the following is an important of traditional kitchen
  - a. Has working surfaces
  - b. Has enough spaces
  - c. Easy to maintain
  - d. Expensive to construct

**Figure 5 shows electric circuit. Use it to answer the questions that follows**



30. Identify the type of the circuit
  - a. Series circuit                    c. parallel circuit
  - b. Solar circuit                    d. fuse

- |   |   |
|---|---|
| <p>31. What is the advantage of using this type of circuit</p> <p>a. Components are controlled by one switch</p> <p>b. The brightness of the bulbs differs</p> <p>c. It uses less current</p> <p>d. Components can be controlled separately</p> <p>32. Which of the following crops has an erect type of stem</p> <p>a. Pawpaw                      c. grass</p> <p>b. Sweet potatoes          d. climbing beans</p> <p>33. Which components of the blood is responsible for transporting oxygen</p> <p>a. Plasma                      c. platelets</p> <p>b. Red blood cells      d. white blood cells</p> <p>34. What happens to water when it has boiled</p> <p>a. It dissolves</p> <p>b. It changes colour</p> <p>c. Changes to water vapour</p> <p>d. Forms ice blocks</p> <p>35. Which of the following is not characteristics of mammals</p> <p>a. Bearing live young ones</p> <p>b. Presence of pinna</p> | <p>c. Have mammal glands</p> <p>d. Lays eggs</p> <p>36. Why should coloured articles, after washing being dried in the shade</p> <p>a. Prevent torn parts becoming bigger</p> <p>b. To loosen dirty</p> <p>c. To avoid bleaching of the articles</p> <p>d. To strengthen the article</p> <p>37. What methods of cooking food requires pre – heating the oven</p> <p>a. Roasting                      c. boiling</p> <p>b. Frying                          d. baking</p> <p>38. What method would you use to separate sand and iron particles</p> <p>a. Magnetism                      c. evaporation</p> <p>b. Filtration                          d. hand picking</p> <p>39. Among the following technologies which one is not indigenous technologies</p> <p>a. Fish trap                          c. computer</p> <p>b. Grinding stone                  d. winnower</p> <p>40. Give one characteristic of reptiles</p> <p>a. Beak                                  c. moist skin</p> <p>b. Dry scally skin                  d. no scales</p> |
|---|---|

### SECTION B (60 MARKS)

#### AGRICULTURE

41. (a) List any two characteristics of subsistence farming (2marks)
- i- \_\_\_\_\_
- ii- \_\_\_\_\_
- (b) State two aims of agriculture (2marks)
- i- \_\_\_\_\_
- ii- \_\_\_\_\_
- (c) How can a farm solve the problem of seasonality of produce (1 mark)
- \_\_\_\_\_
- \_\_\_\_\_
42. (a) Give any two farm business activities (2marks)
- i- \_\_\_\_\_                      ii- \_\_\_\_\_
- (b) Explain how permaculture improves agricultural productivity (4marks)
- \_\_\_\_\_
- \_\_\_\_\_
- (c) State one reason why is it important to sold a layer of manure when making compost manure (1 mark)
- \_\_\_\_\_
43. (a) Give any two uses of water in livestock production (2marks)

i- \_\_\_\_\_

ii- \_\_\_\_\_

(b) Any two ways of improving water availability (2marks)

i- \_\_\_\_\_

ii- \_\_\_\_\_

**44. Study the figure below and answer the questions that follows**



(a- Identity the process shown above (1mark)

\_\_\_\_\_

(b- Why is it important to measure water temperature before stocking (2marks)

\_\_\_\_\_

\_\_\_\_\_

(c- State two effects of parasites in fish production (4marks)

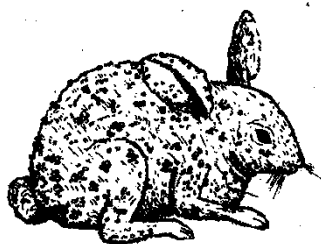
i- \_\_\_\_\_

ii- \_\_\_\_\_

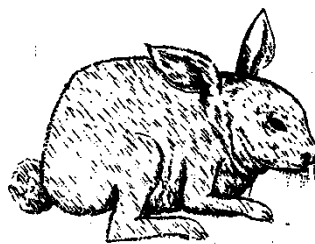
(d- State one method of preserving fish

\_\_\_\_\_ (1 mark)

**45. Study the figure below and answer the questions that follows**



**P**



**U**

(a- Name the breed of rabbit P and U (2marks)

\_\_\_\_\_

\_\_\_\_\_

(b- Give two characteristics of rabbit P

(2 marks)

i- \_\_\_\_\_

ii- \_\_\_\_\_

(c- Mention two methods of processing cassava (2marks)

i- \_\_\_\_\_

ii- \_\_\_\_\_

(d- State any two feeding habits of goats (2marks)

i- \_\_\_\_\_

ii- \_\_\_\_\_

### SCIENCE AND TECHNOLOGY

46. (a) Define scientific investigation \_\_\_\_\_ (1marks)

(b) State two main stages of scientific investigation (2marks)

i- \_\_\_\_\_

ii- \_\_\_\_\_

(c) Give any one technology that uses the property of light (1mark)

\_\_\_\_\_

47. (a) Give any two function of the tongue (2marks)

i- \_\_\_\_\_

ii- \_\_\_\_\_

(b) State two problems of the ear (2marks)

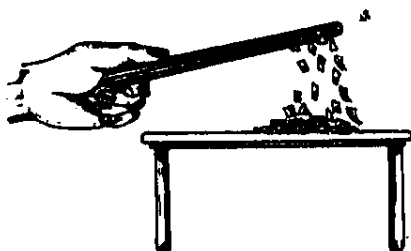
i- \_\_\_\_\_

ii- \_\_\_\_\_

(c) Why is it important to improve the quality of products (2marks)

\_\_\_\_\_

48. Study the figure below and answer the question that follows



(a. State the type of force shown above (1mark)

\_\_\_\_\_

(b. How does this type of force occurs (2marks)

\_\_\_\_\_

(c. Give two uses of force (1 marks)

i- \_\_\_\_\_

ii- \_\_\_\_\_

49. (a) State two common infections associated with HIV and AIDS (2marks)

i- \_\_\_\_\_

ii- \_\_\_\_\_

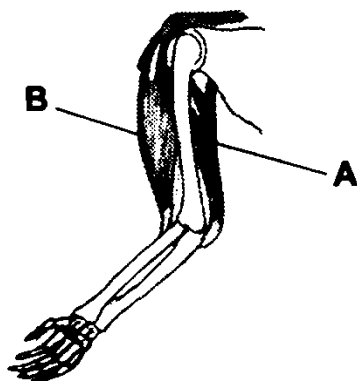
(b) Explain one way how HIV can be transmitted (1 marks)

\_\_\_\_\_

(c) Explain why family planning is important (2 marks)

\_\_\_\_\_

50. Study the figure below and answer the question that follows



(a- Name the parts labelled A and B (2marks)

\_\_\_\_\_

\_\_\_\_\_

(b- How does parts A and B bring about movement (2marks)

\_\_\_\_\_

51. (a) State two daily needs of a pregnant woman (2marks)

i- \_\_\_\_\_

ii- \_\_\_\_\_

(b) Why is it not good for a person with HIV and AIDS to smoke (1mark)

\_\_\_\_\_

\_\_\_\_\_

(c) Mention two problems of digestive system (2marks)

i- \_\_\_\_\_

ii- \_\_\_\_\_

**END OF QUESTION PAPER!!!!**