

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 and section 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			

SECTION 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

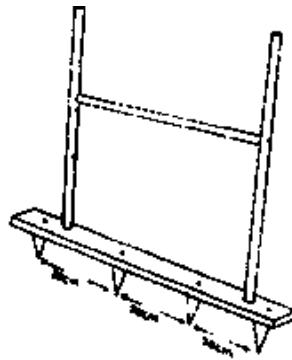
Figure 1 shows one of farm tools use it to answer question that follows



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 disease 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 loses water quickly

Figure 2 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. Angro-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 plankton
 - d. Increase the breeding offish
14. Which of the following is the system of agroforestry
 - a. Woodlot
 - b. Forest farming
 - c. Improved fallows
 - d. silvop arable

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

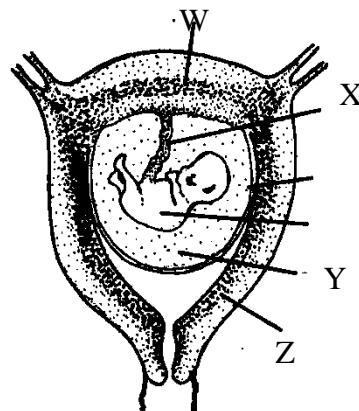


15. Identify the disease
 a. Fowl pox c. coccidiosis
 b. Newcastle d. fowl cholera
16. Which of the following is one way of treating the disease
 a. Dis-infection c. vaccination
 b. Use of antibiotics d. isolation of infection bird
17. How does grading as a marketing function helps this farmer to make 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

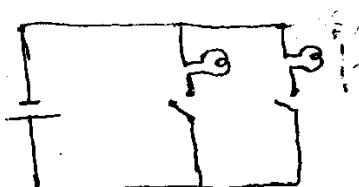
SCIENCE AND TECHNOLOGY

21. Which of the following plants has underground 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

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31. What is the advantage of using this type of circuit
a. Components are controlled by one switch
b. The brightness of the bulbs differs
c. It uses less current
d. Components can be controlled separately
32. Which of the following crops has an erect type of stem
a. Pawpaw c. grass
b. Sweet potatoes d. climbing beans
33. Which components of the blood is responsible for transporting oxygen
a. Plasma c. platelets
b. Red blood cells d. white blood cells
34. What happens to water when it has boiled
a. It dissolves
b. It changes colour
c. Changes to water vapour
d. Forms ice blocks
35. Which of the following is not characteristics of mammals
a. Bearing live young ones
b. Presence of pinna

- c. Have mammal glands
d. Lays eggs
36. Why should coloured articles, after washing being dried in the shade
a. Prevent torn parts becoming bigger
b. To loosen dirty
c. To avoid bleaching of the articles
d. To strengthen the article
37. What methods of cooking food requires pre – heating the oven
a. Roasting c. boiling
b. Frying d. baking
38. What method would you use to separate sand and iron particles
a. Magnetism c. evaporation
b. Filtration d. hand picking
39. Among the following technologies which one is not indigenous technologies
a. Fish trap c. computer
b. Grinding stone d. winnower
40. Give one characteristic of reptiles
a. Beak c. moist skin
b. Dry scally skin d. no scales

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)

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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)

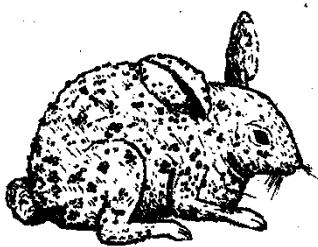
i- _____

ii- _____

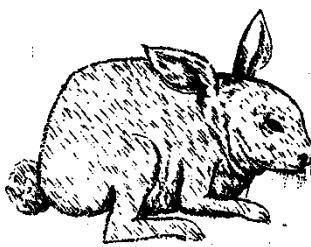
(d- State one method of preserving fish

_____ (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- _____

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(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- _____

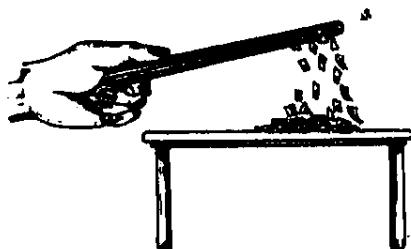
(b) State two problems of the ear (2marks)

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)

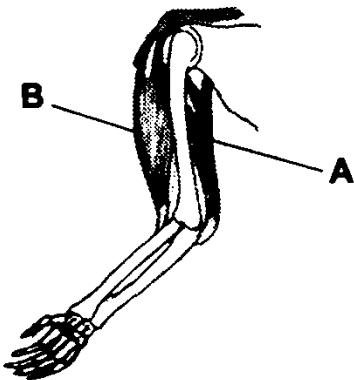
i- _____

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!!!!