



KCCA PRIMARY SCHOOLS EXAMINATIONS COMMITTEE
PRIMARY FIVE END OF YEAR EXAMINATIONS 2022
INTEGRATED SCIENCE

TIME ALLOWED: 2 HOURS 15 MINUTES

PUPIL'S NAME: _____

SCHOOL: _____

DIVISION: _____

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

Read the following instructions carefully.

1. This paper is made up of two sections:
A and B
2. Section **A** has 40 questions (40 marks)
3. Section **B** has 15 questions (60 marks)
4. Answer **ALL** questions in both sections **A** and **B**
5. **ALL** answers **MUST** be written in Blue or Black Ball - point pen or ink
6. Un-necessary alteration of work may lead to loss of marks.
7. All diagrams **MUST** be drawn in pencils.
8. Any handwriting that cannot be easily read may lead to loss of marks.
9. Do **not** fill any thing in the boxes shown

"For Examiner's use only".

**FOR EXAMINER'S USE
ONLY**

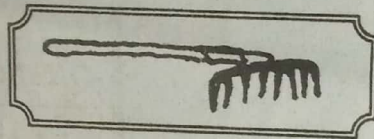
QN. NO.	MARKS	SIGN
1 - 10		
11 - 20		
21 - 40		
41 - 45		
46 - 50		
51 - 55		
TOTAL		

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TURN OVER

SECTION A

1. Name one example of poultry.
.....
2. Mention one way in which heat from the sun is important to crop farmer.
.....
3. Why do we boil water for drinking?
.....
4. Give any one activity that promotes oral health.
.....
5. Mention any one way of how one can control the spread of COVID-19.
.....
6. Give the use of the garden tool drawn below.
.....



7. Where does digestion of food begin in man?
.....
8. Give one reason why a fire extinguisher is painted with bright colour.
.....
9. In which state of matter does heat travel fastest?
.....
10. State one body organ that is protected by a rib-cage.
.....
11. Name the female sterile bee in the hive.
.....
12. How is a microscope useful to a doctor?
.....
13. Apart from warmth, give any other condition necessary for seed germination.
.....
14. Give one reason as to why animals make sound.
.....
15. What type of energy is produced by a moving stone?
.....
16. Why is breast milk the best food for babies?
.....

17. Name the weather instrument used for measuring the amount of rainfall received.

18. Give one advantage of using free range system of rearing poultry.

19. How are adult tsetseflies dangerous to people?

20. What element of PHC promotes cleanliness at home?

21. In the space provided below, draw a structure of a canine tooth.



22. Which property of air enables Eunice to drink soda using a straw?

23. Write **FYM** in full.

24. Give one way in which bacteria is useful to people.

25. State one role of saliva during the digestion of food.

26. How does keeping of fish in a pond help in the controlling of malaria.

27. Why does a key sink when dropped in water?

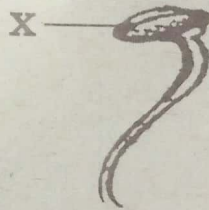
28. State the method used to measure the volume of irregular objects.

29. Mention one component of a first aid kit.

30. How can one separate the mixture of bean seeds and ground nut seeds?

31. Why is a sugar cane plant not considered as a stem tuber?
.....
32. Name one example of a chemical change.
.....
33. Convert 30°C into $^{\circ}\text{F}$.
.....

Below is a part of a flower. Use it to answer questions 34 and 35.



34. Name the part of the flower shown in the diagram above.
.....

35. State the reproductive cell produced in part **X**.
.....

36. What type of fracture is common in young children?
.....

37. Write one disease that affects goats and rabbits.
.....

38. Why is it advisable to brush teeth after every meal?
.....

39. Give one example of an insulator.
.....

40. Name the type of leaf venation shown below.
.....



SECTION B

41. a) What do you understand by the term pollination?

.....
.....

b) State the **two** main agents of pollination.

i) ii)

c) How is pollination important to a crop farmer?

.....

42. a) Mention **two** types of soil erosion.

i) ii)

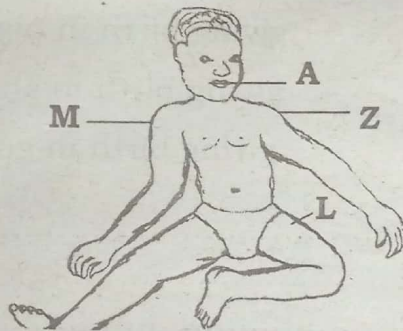
b) Suggest **one** way farmers in hilly areas control soil erosion.

.....

c) How does bush burning lead to soil erosion?

.....

43. **The diagram below shows sites of immunization. Use it to answer the given question.**



a) Name the disease whose vaccine is administered at site **A**.

.....

b) At what age is the child administered the vaccine at point **M**?

.....

c) Which vaccine is administered to the babies at the age of 9 months on point **Z**?

.....

d) Why is the vaccine administered on point **L** said to be Tripple vaccine?

.....

44. a) What are poultry vices?

.....

.....

b) Name any **two** examples of poultry vices.

i) ii)

c) State one way of controlling poultry vices.

45. a) What are communicable diseases?

b) Give any one diarrhoeal disease.

c) Name two ways in which communicable diseases spread.

i)

ii)

46. Match animal management activities with their meaning.

A

B

a) Lambing

removal of testes from young male animals

b) Kidding

giving birth in pigs

c) Castration

giving birth to sheep

d) Farrowing

giving birth in goats

a) Lambing

b) Kidding

c) Castration

d) Fallowing

47. a) What are irregular objects?

b) Mention two examples of irregular objects.

i)

ii)

c) How do objects with less density behave when put in water?

48. a) Who is a casualty?

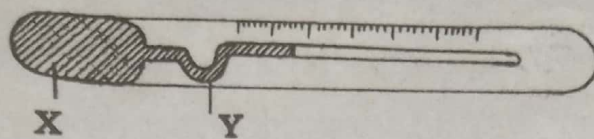
b) Suggest any two reasons for giving first aid.

i)

ii)

c) Give one quality of a good first aider.

49. The diagram below shows an instrument used in hospitals.



- Name the instrument shown above.
- What name is given to part Y?
- Of what importance is part marked X?
- How can a doctor reset the above instrument before using it to another patient?

50. The information below was collected by teacher during a health parade.

Pupils	Bathing	Brushing teeth	Washing the face
Pupil A	X	✓	✓
Pupil B	✓	✓	✓
Pupil C	X	✓	X
Pupil D	✓	✓	X

Key

X - Activity not done

✓ - Activity done

- Identify the activity which was done by all pupils.
 - State a pair of activities pupils missed most.
 - Give one other activity that can be included on the table above.
 - Who of the four pupils had the worst personal hygiene?
51. a) Why are honey bees called social insects?
- Give two conditions that lead to swarming in bees.
 - Write the use of smoke during the harvesting of honey.

52. a) How do bacteria reproduce?

b) State **two** conditions necessary for bacteria to reproduce.

i) ii)

c) Give **one** similarity between bacteria and fungi.

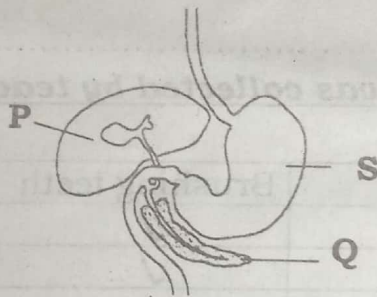
53. a) What is *mulching*?

b) Write **two** examples of mulches.

i) ii)

c) State **one** reason why farmers mulch their coffee garden.

54. **Below is a diagram showing part of the digestive system. Use it to answer questions that follow.**



a) Name the organs labeled.

i) **P** ii) **Q**

b) How useful is the acid produced in the organ labeled **S** during digestion?

c) Mention **one** disorder of the above system.

55. a) What are *deficiency diseases*?

b) Give **two** examples of deficiency diseases.

i) ii)

c) How can we prevent deficiency diseases in infants?

*****SUCCESS*****