

IGANGA DISTRICT PRIMARY SCHOOLS EXAMINATION BOARD

PRIMARY LEAVING MOCK EXAMINATION 2024

INTEGRATED SCIENCE

Time Allowed: 2:15 minutes

INDEX NO.

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CANDIDATE'S NAME:

CANDIDATE'S SIGNATURE:

SCHOOL NAME:

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

Read the following instructions carefully:

1. This paper has 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. All answers to both Sections A and B must be written in the spaces provided.
5. All answers must be written using a blue or black ball-point pen or ink.
6. Unnecessary crossing of work may lead to loss of marks.
7. Any handwriting that cannot be read easily may lead to loss of marks.
8. Do not fill anything in the boxes shown "For Examiners' Use only".

FOR EXAMINERS' USE ONLY		
QN. NO.	MARKS	EXR'S
1-10		
11-20		
21-30		
31-40		
41-43		
44-46		
47-49		
50-52		
53-55		
TOTAL		

SECTION A (40 MARKS)

1. State any one sign of malaria attack.

2. Which is the basic unit for measuring weight?

3. Which condition in a baby is shown by a sunken soft spot on the head?

4. How important is a drenching gun in livestock farming?

5. Mention one way wild bush burning affects soil fertility.

6. Why is it important to give first aid to a casualty?

7. State one difference between solid and liquid matter.

8. Apart from cameras and microscopes, name any one other optical instrument that uses lenses.

9. How important is the immunization programme in Uganda?

10. Why is cow dung regarded an energy resource?

11. Besides chewing food, how else are teeth in the mouth important?

12. State one characteristic of wind pollinated flowers.

13. Mention one activity a community can engage into promote primary health care (PHC).

14. Why is a wheel barrow classified among second class levers?

15. Why are fungi referred to as saprophytes

16. State one life skill that can safeguard young people against the dangers of drugs.

17. Mention one effect of poor feeding in a community.

18. How important is the bile in the process of digestion in man?

19. State one reason why farmers stake tomato plants.

20. The diagram shows part of a mammalian ear. Use it to answer the question that follow.

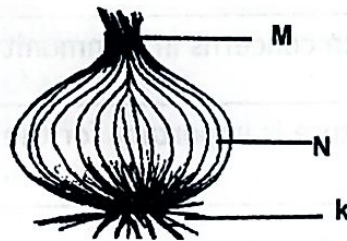


Give the functional difference between parts marked X and Y.

21. Apart from fires, state one other danger of short circuit in electric installations at home.

22. What advice would you give to a person living with HIV/AIDS?

23. The diagram below shows a bulb. Use it to answer the question that follow.



Identify the roots marked K.

24. State one characteristic of all blood vessels that carry blood away from the heart.

25. How important is the sun to plants?

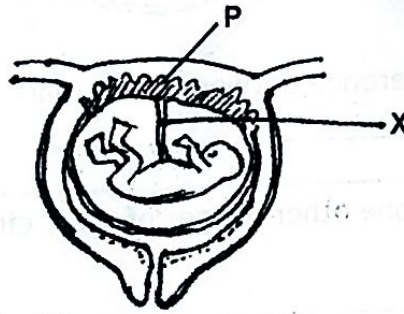
26. What do you understand by "soil exhaustion"?

27. State any one characteristic of images formed by plane mirrors.

28. How are the alveoli in the lungs adapted to their function in the breathing system?

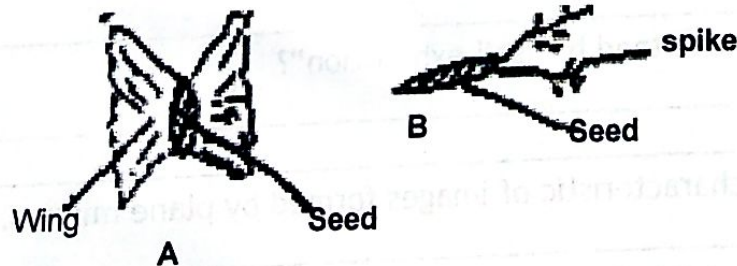
29. Which part in an insect has a similar function to gills in fish?

30. Mention one danger of leaving weeds growing among crops.
31. State any one way friction in moving parts of a machine can be reduced.
32. Mention one way a farmer can improve the quality of local breeds of cattle.
33. Identify one characteristic that distinguishes legumes from all other plants.
34. The diagram shows a foetus in the womb. Use it to answer questions 34 and 35.



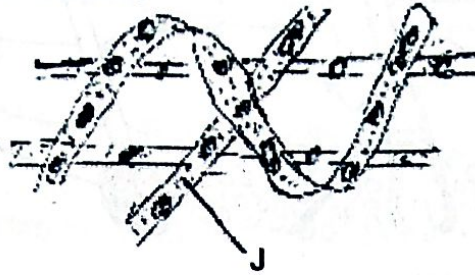
Name the part marked X.

35. State the role of the part marked P.
36. Identify one of the common health concerns in communities today.
37. Mention any one way correct posture is important for the body.
38. Which instrument in a weather station is used to measure humidity in the atmosphere?
39. The diagram shows two seeds of flowering plants. Use it to answer the questions that follow.



How does the dispersal of seed marked A differ from that of seed marked B?

40. The diagram shows a spawn of an amphibian. Use it to answer the question that follows.



State the importance of substance marked J.

SECTION B (60MARKS)

41. a) Give two reasons why you would advise a friend to carry out regular physical exercises.

i) _____

ii) _____

- b) Apart from physical exercises, write two other ways one can ensure complete health.

i) _____

ii) _____

42. a) Classify the following scientific processes into; physical, biological or chemical changes.

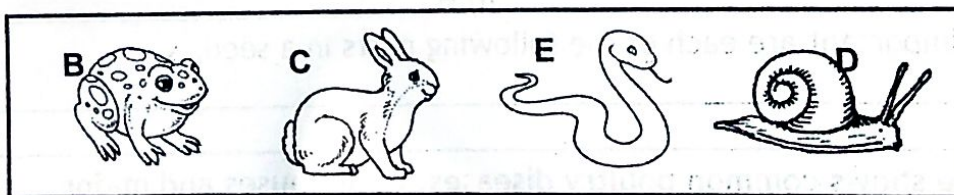
i) Seed germination _____

ii) Salt dissolving in water _____

iii) Fermentation _____

- b) identify one cause of climate change in our environment.

43. The diagram shows four different animals. Use it to answer the questions that follow.



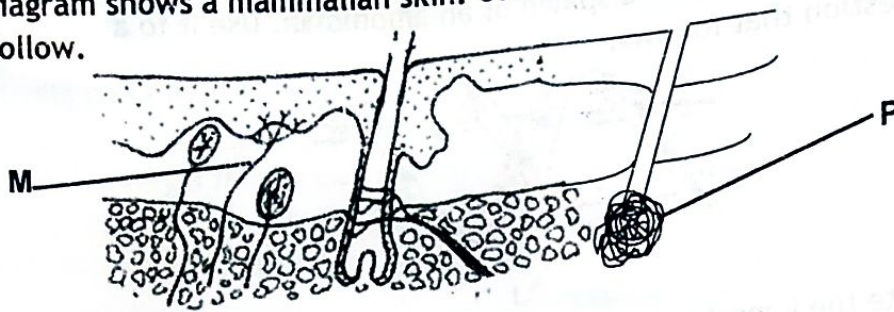
- a) In which way are animals marked B, C and E similar?

- b) How is reproduction in animal marked C different from that of the other animals?

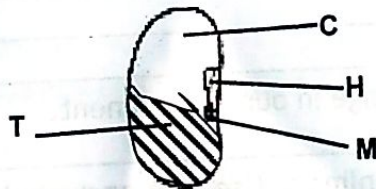
- c) To which group of animals does animal marked D belong?

- d) How does animal marked E protect itself against enemies?

44. The diagram shows a mammalian skin. Use it to answer the questions that follow.



- Name the structure marked M.
 - How important is part marked P?
 - Apart from excretion. Mention one other role of the skin.
 - Mention any one way one can care for the skin.
45. a) State two ways wetlands are important in our environment.
- -
- b) Identify two common practices that lead to destruction of wetlands.
- -
46. The diagram shows the external structure of a bean seed.



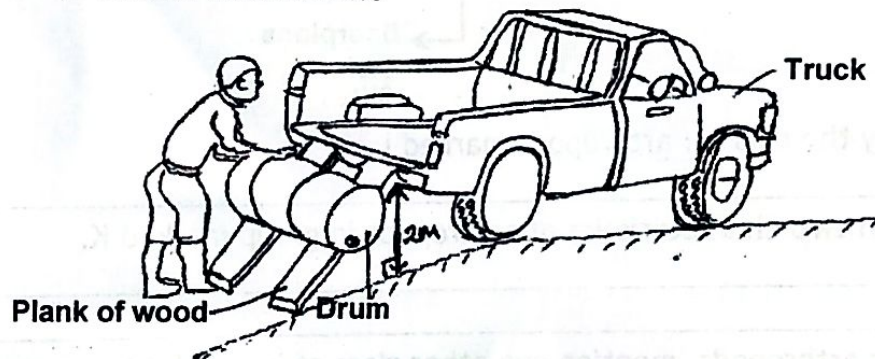
- Name the parts marked.
 - T
 - H
 - How important are each of the following parts in a seed.
 - C
 - M
47. The table shows common poultry diseases, their causes and major signs/symptoms. Complete it correctly.

	Disease	Cause	Sign/symptoms
a)	Coccidiosis		Drooped wings
b)		Virus	Yellowish-green diarrhoea
c)	Fowl typhoid		Ruffled feathers
d)		Virus	Sores on the wattle and wing webs

48. a) Give one sign/symptom of each of the following diseases.
 i) Tuberculosis (TB) _____
 ii) Measles _____
 b) How best can a community get protected against such diseases above?

 c) Apart from measles, name one other immunisable viral disease.

49. a) Mention two advantages in using modern beehives.
 i) _____
 ii) _____
 b) Write down two things a bee keeper should consider before siting a bee hive
 i) _____
 ii) _____
50. The diagram shows a man loading a drum onto a truck. Use it to answer the questions that follow.



- a) Identify the type of machine the man is using.

- b) Give one other example of that type of machine in daily use in life.

- c) If the plank of wood used is 6 metres long. Calculate the mechanical advantages of the machine.

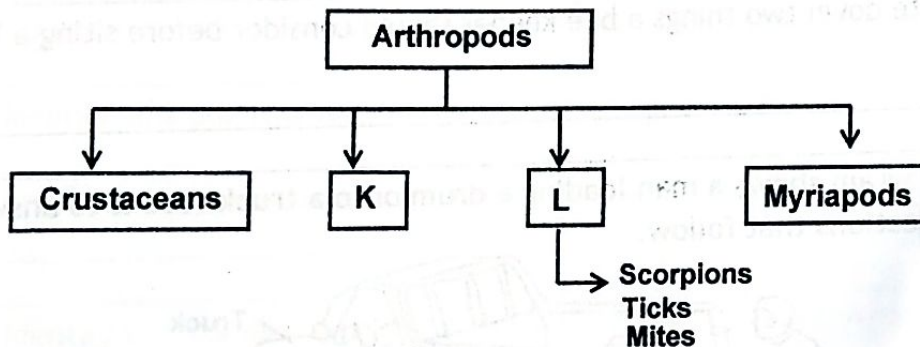
51. a) Identify **two** causes of common road accidents.
 i) _____
 ii) _____
 b) Mention **two** dangers caused by road accidents.
 i) _____
 ii) _____

52. Match the body reproductive processes in list A with organs in list B.

A	B
Ovulation	vagina
Birth	oviduct
Fertilization	uterus
Implantation	ovary

- i) Ovulation _____
 ii) Birth _____
 iii) Fertilization _____
 iv) Implantation _____

53. The diagram below shows the classification of arthropods. Use it to answer the questions that follow.



a) Identify the class of arthropods marked L.

b) Mention **two** characteristics of arthropods in group marked K.

i) _____

ii) _____

c) Besides arthropods, mention one other class of invertebrates.

54. a) Give two reasons why a farmer washes the udder and teats of a lactating cow with warm water.

i) _____

ii) _____

b) State two reasons why colostrum forms an important diet for a calf.

i) _____

ii) _____

55. a) Besides rise in temperature, give any two other effects of heat on matter.

i) _____

ii) _____

c) Which instrument do scientists use to measure heat energy?

c) In which units is heat energy measured?

END