

KOLFRAM EDUCATIONAL SERVICES KAMPALA

END OF TERM II EXAMINATION 2024



PRIMARY SIX

INTEGRATED SCIENCE



Time allowed: **2 hours 15 minutes**

Index Number:

Admission Number						Personal Number		

Candidate's Name:

Candidate's Signature:

School Name:

District Name:

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

Read and follow these instructions carefully:

1. This paper has **two** sections: **A** and **B**. Section **A** has **40** questions and section **B** has **15** questions. The paper has **8** printed pages.
2. Answer **all** questions. **All** answers to both sections A and B must be shown in the spaces provided.
3. All answers **must** be written using a **blue** or **black** ball point pen or ink. Any answer written in pencils other than on graphs and diagrams will **not** be marked.
4. No calculators or **electronic** pens are allowed in the examination room.
5. Unnecessary **changes** in your work and handwriting that cannot be read easily may lead to **loss of marks**.
6. Do not fill anything in the table indicated: "**FOR EXAMINERS' USE ONLY**" and boxes inside the question paper.

FOR EXAMINER'S USE ONLY

Page NO.	MARKS	EX'ER'S INITIAL
Page 1		
Page 2		
Page 3		
Page 4		
Page 5		
Page 6		
Page 7		
Page 8		
TOTAL		

Turn Over

© 2024 KESK P6 INTEGRATED SCIENCE END OF TERM II EXAMINATION

Trust Kolfram Educational Services for quality workbooks, companion books, PLE revision workbooks, PLE question Banks, Topical workbooks, Quality Assessments and Holiday packages

SECTION A

(Each question in this section carries 1 mark)

1. Give any **one** example of solitary insects.

2. State any **one** way how snakes are similar to fish.

3. Mention the breed of sheep kept for producing wool.

4. Mention any **one** importance of colostrum to a calf.

Below is a diagram showing a germ path. Use it to answer question 5 and 6.



5. Name any **one** vector which spreads germs mostly after the stage above.

6. State any **one** way of preventing germs at the stage illustrated above.

7. How does invalid differ from convalescent?

8. Apart from laying eggs, mention any **one** way how animals reproduce.

9. Name any **one** insect which pollinates flowers at night.

10. Name the deficiency disease caused by lack of iodine in one's diet.

11. Why is blood first pumped to the lungs before it goes to other parts of the body?

12. How can a farmer improve on the quality of local breeds of cattle on his or her farm?

13. Name the vector that spreads germs which cause bilharzias.

14. Give any **one** way of identifying a person suffering from cholera.

15. How does painting prevent rusting?

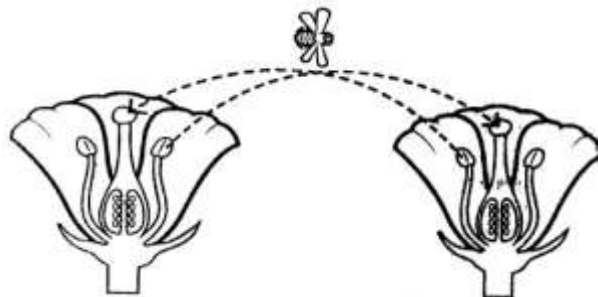
16. Mention **one** condition that favours the multiplication of bacteria.

17. Give any **one** sign of calving in a cow.

18. Apart from nectar, name any other substance bees collect from plants.

19. How best can a P.6 pupil guard against getting infected with HIV/AIDS?

The diagram below is of a type of pollination. Use it to answer the question 19.



20. Give any **one** plant which undergoes the type of pollination illustrated above.

21. State **one** way man has used the sun as a resource.

22. How do fish introduced in a pond help to control malaria in a home?

23. State **one** similarity between a spider and a tick.

24. State any **one** reason why capital is needed in starting any animal farm.

The diagram below shows a mean of vegetative propagation. Use it to answer question 25.



25. State the mean of vegetative propagation illustrated above.

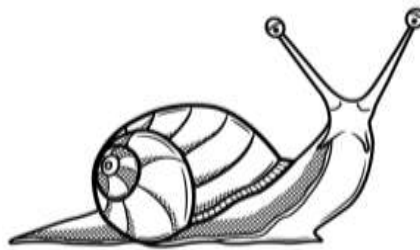
26. What is the gestation period of a cow?

27. Why do most schools plant grass in the compound?

28. Apart from being vertebrates, give another similarity between birds and mammals.

29. A stone of mass 80g has a density of 20g/cc. Calculate the amount of water the stone will displace if it is lowered in an overflow can.

The diagram below shows a vector. Use it to answer the questions that follow.



30. Name any **one** disease commonly spread by the vector above.

31. Name the teeth used for cutting meat.

32. Mention any **one** effect of alcohol to an individual.

33. Why do wading birds have long legs?

34. Which part of a vacuum flask prevents heat loss by conduction and convection?

35. How are coniferous plants different from all other non-flowering plants?

36. Why is burning of wood to ash regarded as a chemical change?

37. Give the role of enzymes during digestion.

38. What is environmental degradation?

39. Why is water regarded as a renewable resource?

40. State the danger caused by hook worms in our bodies.

SECTION B

41 (a) Name the type of cattle kept for milk production.

(b) Define castration in cattle keeping.

(c) Give **two** reasons why farmers castrate their animals.

(i)

(ii)

42(a) What is a seedling?

(b) Give **one** example of seeds planted in a nursery bed.

(c) Which garden tool is used for transplanting seedlings?

(d) Why is transplanting done in the evening?

43a) What is immunization?

(b) In which **one** way is immunization important to babies?

(c) Mention any **one** type of immunity.

(d) Name the vaccine administered into the body of a baby 36 weeks after birth.

44a) Define sanitation.

(b) How does good sanitation promote health among people in the society?

(c) State **two** examples of diseases spread through poor sanitation.

(i)

(ii)

45 Mr. Rwaka plants only one type of crop in his garden every season, every year.

(a) What do we call this type of farming?

.....

(b) Explain how the farming practice above is dangerous to the soil.

.....

(c) What advice can you give to Mr. Rwaka about this poor method of farming?

.....

(d) Why do you think Mr. Rwaka's family may lack food after some time as he continues practicing this way of farming?

.....

46a) Why is carbon dioxide used in a fire extinguisher?

.....

(b) Apart from being used in a fire extinguisher, how else is carbon dioxide useful to man?

.....

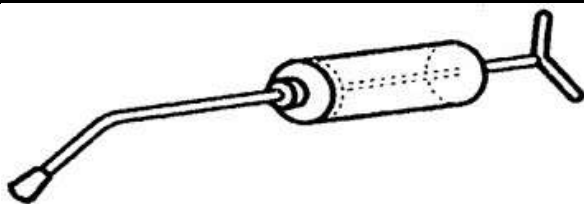
(c) State the difference between wind and air.

.....

(d) State any **one** property of air.

.....

47. Study the diagram below and answer questions that follow.



(a) Name the farm equipment shown above.

.....

(b) Of what use is the farm equipment above to the cattle keepers?

.....

(c) How is drenching different from dosing?

.....

(d) Apart from worms, mention any **one** example of internal parasites.

.....

48a) What is poultry?

(b) Identify any **one** type of chicken reared for a purpose.

(c) How can a farmer improve on the quality of local breeds of poultry?

(d) Write down **one** advantage of free range system of poultry rearing.

49 **Study the list of animals below and answer the questions that follow.**

Chameleon	Frog	Mouse	cobra
-----------	------	-------	-------

(a) Give any **one** characteristic common in all the above animals.

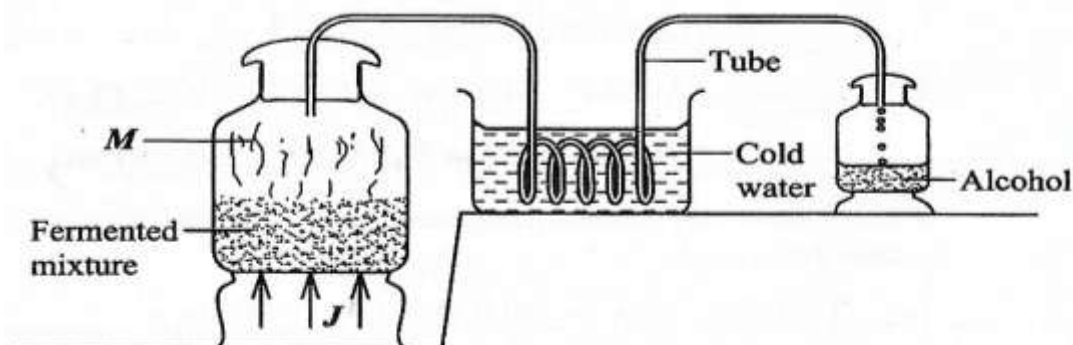
(b) Which **two** animals can be grouped together from the list above?

(i)

(ii)

(c) Give a reason to support your answer in 49(b) above.

50. **The experiment below was conducted in a P.6 class, use it to answer questions that follow.**



a) State the importance of each of the following during distillation;

(i) cold water:

(ii) heat source:

b) Identify the process taking place at **M**.

c) Apart from the above method, identify any one other method of making alcohol.

51. (a) State any **two** advantages of hand milking over machine milking.
 (i)
 (ii)
 (b) What term is used to mean the condition in which a cow fails to release her milk?

 (c) State any **one** cause of milk hold up in cows.

- 52a) Which part of a fertilized egg develops into a chick?

 (b) Why is an egg shell porous?

 (c) Which food value is got from eating eggs?

 (d) Give **one** reason why some chicken lay soft-shelled eggs.

- 53(a) What is a food taboo?

 (b) Give **two** examples of food taboo?
 (i)
 (ii)
 (c) How are food taboos a disadvantage to some people?

- 54a) What is seed dispersal?

 (b) How are the black jack seeds dispersed?

 (c) What characteristic enables the black jack seeds to be dispersed by the method named in 54(b) above?

 (d) Suggest **one** way seed dispersal is important to plants.

- 55 (a) State any **two** importance of plants to animals.
 (i)
 (ii)
 (b) Mention any **two** importance of animals to plants.
 (i)
 (ii)