



KAMPALA CENTRAL EXAMINATIONS BOARD

PRIMARY SIX BEGINNING OF TERM ONE EXAMINATION

2025

INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Candidate's Name: _____

Candidate's Signature: _____

School Name: _____

Read the following instructions carefully:

1. This paper has two sections: Section A and section B.
2. Answer all the questions. All the working for both sections A and B must be shown in the spaces provided.
3. All the working must be done using a blue or black ball point pen or ink. Any work done in pencils other than graphs and diagrams will not be marked.
4. No calculators 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 EXAMINERS' USE ONLY		
QN. NO	MARKS	EXR'S NO.
1-10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 54		
55		
TOTAL		

SECTION A: (40 MKS)

1. Give **one** of the functions of feelers to an insect.

2. Name **one** common breed of pigs commonly kept in Uganda.

3. State **any one** reason why first aid is given to casualties.

4. How do most fungi reproduce?

5. To which group of birds does a kite belong?

6. Suggest **one** way of preventing poultry birds from pecking each other.

7. Mention **any one** way of preventing metals from rusting.

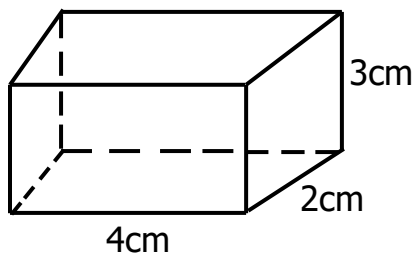
8. How is the habit of bees visiting flowers important to plants?

9. In which state of matter is a piece of chalk?

10. Give a reason to support your answer in (9) above.

11. Give **one** way a farmer can improve on his local breeds of poultry.

12. The diagram below shows a chalk box. Find its **volume**.



13. Give **one** reason why mercury is used in thermometers instead of water.

14. Why does a bed bug produce a very bad smell when touched?

15. Explain the **difference** between temperature and heat.

16. Namukasa has a pool of water in her compound and she has a problem of mosquitoes. What advice would you give her to reduce the number of mosquitoes without spraying the pool?

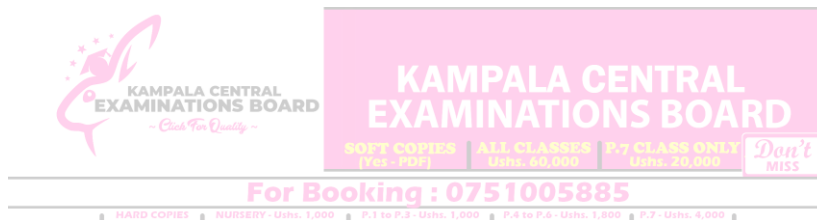
17. What is the duty of the queen in a bee hive?

18. Give **one other** system of poultry farming apart from a free-range system.

19. Identify **one** disease which attacks pigs, goats and sheep.

20. Which component of soil is formed from dead plants and animals?

21. **Convert** 30°C to °F.



22. State the method of heat transfer in gases.

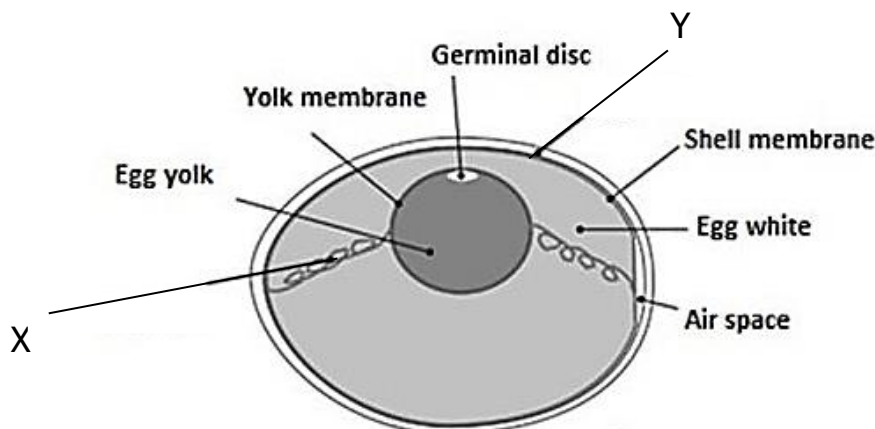
23. Without referring to the birth health card. How does one know that a child was already immunized against measles?

24. State the role of chlorophyll during photosynthesis.

25. Name the type of sheep kept mainly for wool production.

26. Why do some plants climb others?

Below is a diagram of a fertilized egg. Use it to answer questions 27 and 28.



27. Name the part marked **X**.

28. Give **one** reason why part Y of an egg is porous.

29. Mention **any one** example of fungi.

30. Identify the worm which enters our body through eating half-cooked beef.

31. Give **any one** example of a nutritional deficiency disease.

32. Which substance can exist in all the three states of matter?

33. What feature enables a housefly to spread germs?

34. Bojan used water to put out fire caused by petrol but fire continued burning. Suggest one thing he could have used to put out the fire.

35. Briefly explain the term "**vertebrates**" as used in classification of living things.

36. What first aid would you give to a person who is suffering from diarrhoea?

37. Identify **one** way of caring for crops in the garden.

38. Mention **one** example of a root tuber.

39. Suggest **one** reason why people iron their clothings and beddings.

40. Name the organ of the body through which oxygen enters the body.

SECTION B: (60Marks)

41a) Write **two** systems of rearing birds.

(i) _____ (ii) _____

b) Give the system of rearing commonly practiced by:

(i) Rural farmers _____

(ii) Commercial farmers _____

42a) What is **soil profile**?

b) Name **any two** layers of soil.

(i) _____ (ii) _____

c) Which layer of soil profile is most affected by soil erosion?

43. The two lists A and B below, show the diseases and the animals they affect. Match the items in list A with those in list B correctly by completing the table below.

List A

Newcastle

African swine fever

Rabies

Marasmus

List B

humans

dogs

pigs

fowls

(i) Newcastle _____

(ii) African swine fever _____

(iii) Rabies _____

(iv) Marasmus _____

44a) Name **any one** natural source of heat in the environment.

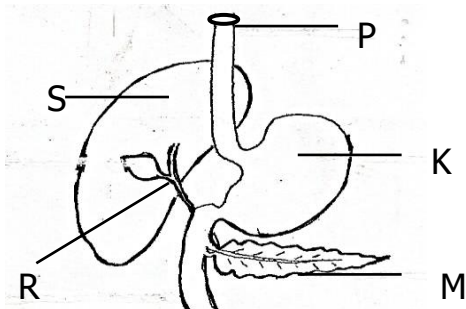
b) State the process by which heat travels through:

(i) milk _____

(ii) iron sheet _____

- c) What effect of heat on matter enables one to use a thermometer to take temperature reading?

The diagram below is part of the human digestive system. Use it to answer question 45.



45a) Name parts marked **P** and **R**.

(i) **P** - _____

(ii) **R** - _____

b) Mention the digestive juice produced by part marked '**M**.' _____

45c) Give **any one** disorder that affects the above system.

46a) What is the role of a drone bee in a hive?

b) How does a flowering plant benefit from bees around it?

c) Name **any one** product a farmer gets from keeping bees.

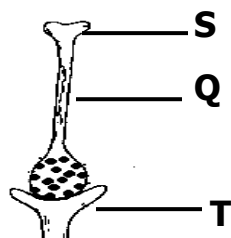
d) Mention **one** example of a local bee hive.

47a) What do you understand by the term **transpiration**?

b) State **one** factor that affects the rate of transpiration.

c) Identify **any one** value of transpiration to plants.

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



a) Name the parts marked **S** and **Q**.

(i) **S** - _____

(ii) **Q** - _____

48b) How do we call the part of a flower shown above?

c) What does part marked **T** develop into after fertilization?

49. Obwago washed two shirts. One was black and the other white. He hang them in sunshine.

a) Which of the **two** shirts dried first?

b) Give a reason for the answer in (a) above.

c) Mention **any two** insulators of heat.

(i) _____ (ii) _____

50a) State the method of finding volume of irregular objects.

b) Why does a stone sink in water?

50c) What is **volume**?



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d) **Find** the volume of an object whose mass is 80g and density 2g/cc.

51a) Give the term used to mean giving birth in piggery.

b) Give the major items needed in order to start a piggery project.

(i) _____

(ii) _____

c) Why is it important to keep records of a piggery project?

52a) Write **P.H.C** in full.

b) State **any two** elements of **P.H.C.**

(i) _____ (ii) _____

c) Identify the **P.H.C** element responsible for population control in Uganda.

53. Personal hygiene is the general cleanliness of our body.

a) Why must P.6 pupils maintain good personal hygiene?

b) What is the importance of soap in maintaining good personal hygiene?

c) Suggest **two** ways P.6 pupils can promote personal hygiene.

(i) _____

(ii) _____

54a) State the function of each of the following instruments at a weather station.

(i)

Anemometer _____

(ii) Hygrometer _____

b) Why is condensation regarded as a physical process?

c) Besides condensation, name **any other** process involved in rain formation.

55a) Name **two** waste products from the body.

(i) _____ (ii) _____

b) Mention **two** organs of the body that remove waste products.

(i) _____ (ii) _____

THE END (KAMCEB 2025)