



# KEEN EXAMINATIONS BOARD

## P7 END OF TERM 1

### INTEGRATED SCIENCE

**Time Allowed: 2hrs 15minutes**

#### **READ THE INSTRUCTIONS CAREFULLY**

#### **For examiner's use only**

1. This paper has two sections A and B.
2. Section A takes 40 marks as B takes 60.
3. Answers to all questions should be written in spaces provided.
4. All drawings must be done in pencil.
5. Unnecessary alteration of work may lead to loss of marks.
6. Any handwriting that cannot be easily read may lead to loss of marks.
7. Don't fill anything in boxes indicated "FOR EXAMINER'S USE ONLY".

<u>Questions</u>	<u>marks</u>	<u>Initials</u>
<u>1-20</u>		
<u>21-30</u>		
<u>31-40</u>		
<u>41-50</u>		
<u>51-55</u>		

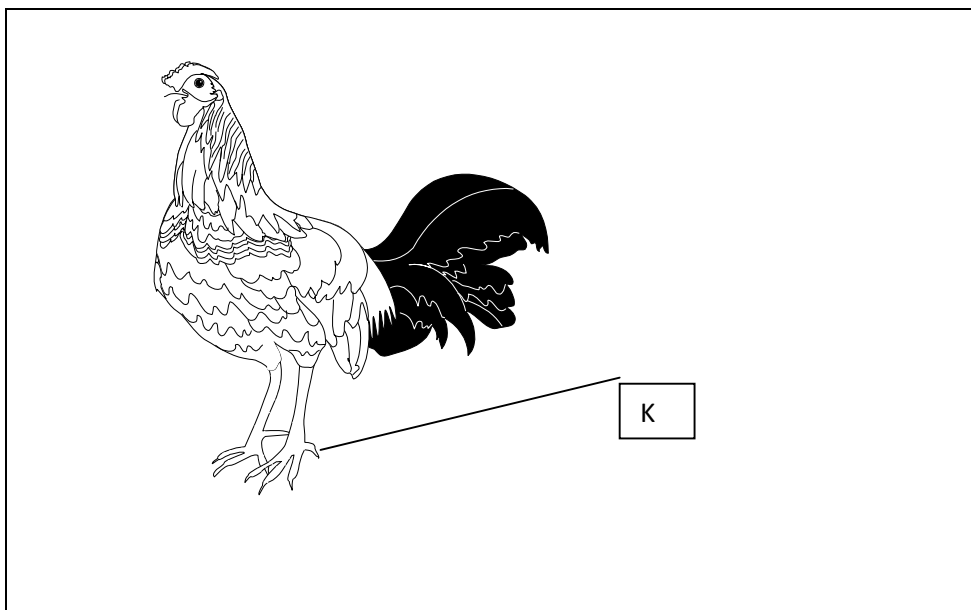
<b><u>TOTAL</u></b>		
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#### **HEAD OF DEPARTMENT**

NAME.....

SIGNATURE.....

1. Why is it advisable to wash hands with clean water and soap after visiting a latrine?  
.....
2. What advice would you give to a mother whose baby has night blindness?  
.....
3. Which property of air enables us to fly a kite?  
.....
4. How is yeast useful in making alcohol?  
.....
5. Why cant plants make their own food at night?  
.....
6. How is the reproduction in bacteria different from that in fungi?  
.....
7. Differentiate pruning from weeding  
.....
8. Study the diagram below . Define poultry  
.....



9. What is the role of part K to a bird?  
.....
10. To which group of birds are crested cranes?  
.....
11. Differentiate a magnet from magnetism  
.....
12. Give any one step taken when cleaning clothes at home  
.....
13. Give the similarity between a switch and a fuse  
.....

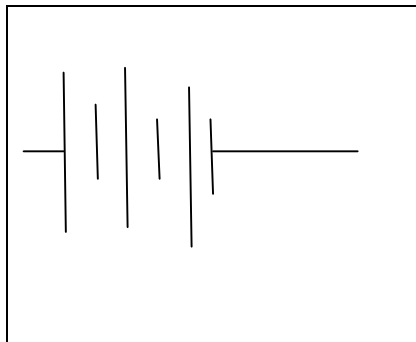
14. What do you understand by the term transpiration

.....

15. How are canine teeth adapted to its function

.....

16. What is the role of the part below in a circuit



.....

17. Why is a VIP latrine said to be improved?

.....

18. Write ACP in full

.....

19. Why does the seed develop the radical first during germination?

.....

20. How does rural electrification conserve the environment?

.....

21. Mention one reason why we should plant trees in the compound.

.....

22. A part from femur, give any other one long bone in the limbs.

.....

23. Musa , who is 80 years old feeds on proteins. How are they important in his body?

.....

24. Find the volume of an object whose mass is 60g and density 10g/cc

25. Which breed of goats has the same purpose as mohair sheep?

.....

26. Name one root crop that is raised on the nursery bed.

.....

27. Differentiate between drug misuse and drug abuse.

.....

.....

28. Why should calcium rich food be given to layers?

.....

**29. What is an apiary?**

.....

**30. Why is tungsten used in making coiled filaments of a bulb?**

.....

**31. Point out a reason why a person with hook worms becomes anaemic .**

.....

**32. Give one disorder of the reproductive system in women.**

.....

**33. Which insect vector lays already hatched eggs?**

.....

**34. Name the type of toilet designed for babies.**

.....

**35. Give the difference between a tendon and a ligament.**

.....

.....

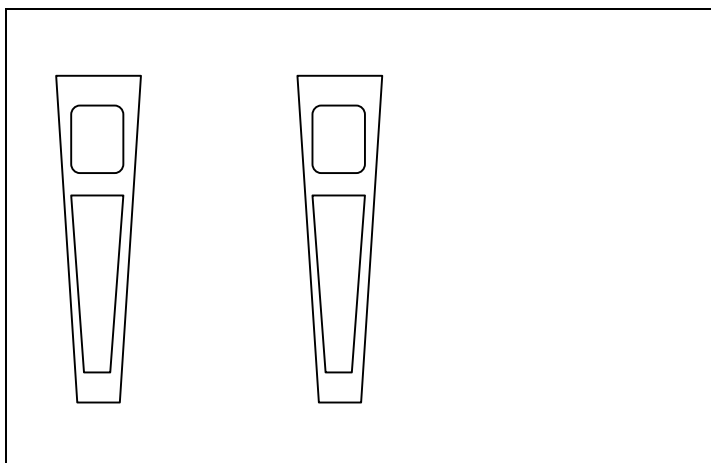
**36. Name the degree of burns that causes blisters.**

.....

**37. Why is it advisable to provide a lid on a convectional pit latrine?**

.....

**38. Name the structures below**



**39. How are air spaces in water dispersed seeds important to the seeds?**

.....

**40. Why don't ships sink in water yet they are made of heavy metals?**

.....

## **SECTION B**

**41. Why is it not advisable to live with wild animals in the same living house?**

.....

**b) Give any two examples of wild animals.**

.....

.....

**c) Why aren't rats called domestic animals?**

.....

**42. a) How does an electric bell work?**

.....

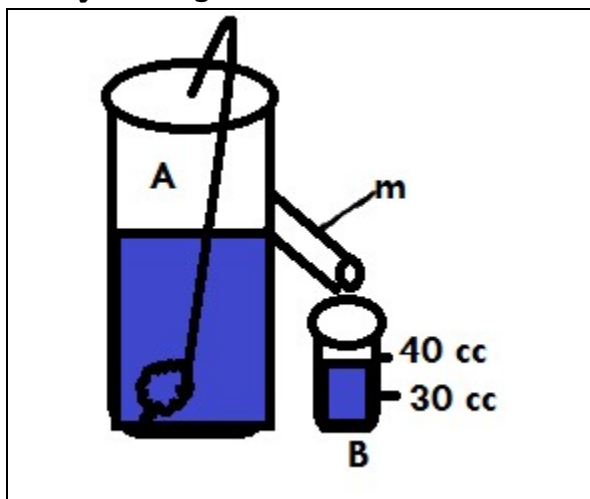
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.....

**b) Write down one way of preventing demagnetization.**

.....

**43. Study the diagram below**



**a) Name the apparatus named**

**A** .....

**B.....**

**b) If the mass of the above object is 120g, find its density**

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44. a) Why are movable joints called so?

.....

b) How do we call immovable joints of the skull?

.....

c) Write down two ways how the skeletal system is related to the circulatory system.

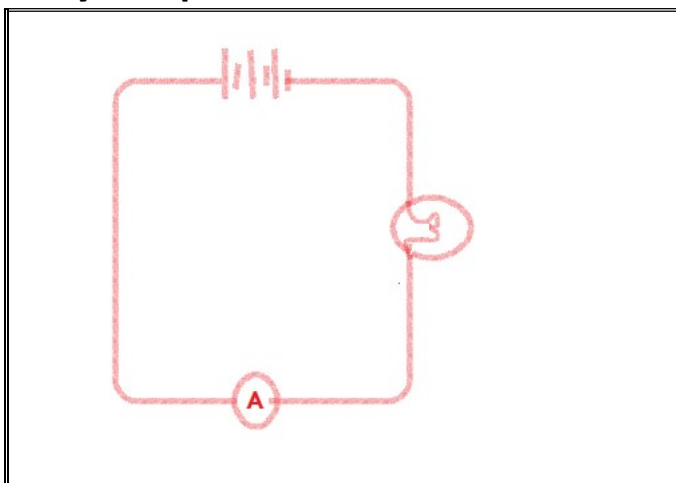
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45. Complete the table below

Salivary amylase	.....	starch
pepsin	stomach	.....
.....	stomach	Coagulates milk in babies
.....	pancreas	starch

46. Study the experiment below



a) Use arrows to show the flow of current.

b) Why do you think the bulb might have failed to produce light?

.....

c) What is a short circuit?

.....

d) How does an electric bulb work?

.....

47. a) How is charcoal produced?

.....

b) Name the main natural source of heat and light in the environment.

.....

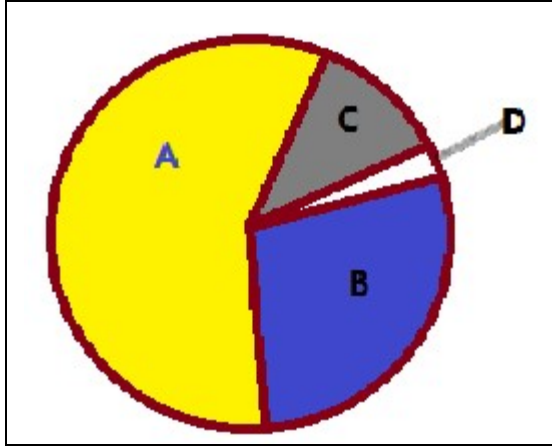
c) Give one way how water is useful as an energy resource.

.....

d) What is an alloy?

.....

**48. Study the diagram below**



a) Name the components of air marked;

i. C.....

ii. A.....

b) Name the component of air used to preserve bottled drinks.

.....

c) Why is more oxygen inhaled than exhaled?

.....

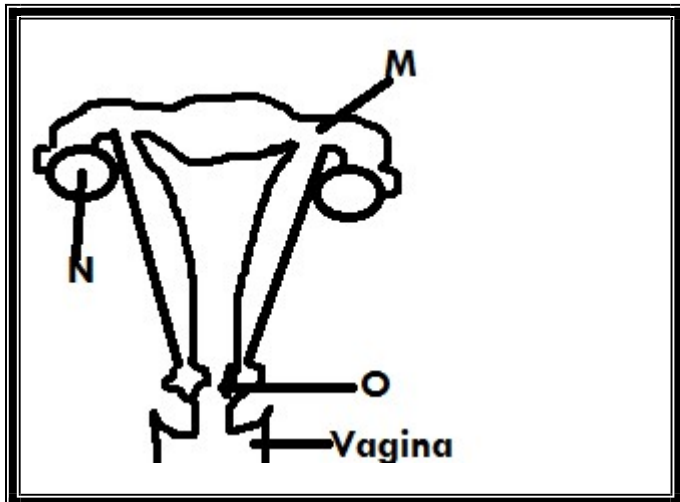
**49. Match correctly**

Black fly  
Housefly  
Rat flea  
Tsetse fly

Sleeping sickness  
river blindness  
bubonic plague  
trachoma

.....  
.....  
.....  
.....

**50. Study the female reproductive organ below.**



a) Name the part on the male reproductive organ that plays a similar role to N.  
.....

b) How is the vagina adapted to its function.  
.....

c) Name the important process that takes place at M.  
.....

d) Give any one disease that affects the above part.  
.....

51. a) Write down one way of making water safe for drinking.  
.....

b) Why is distilled water not good for drinking?  
.....

c) What do you understand by "hard water"?  
.....

d) Give one reason for wringing clothes after washing.  
.....

52. a) How are houseflies adapted to spreading diseases?  
.....

b) Which part of an insect balances it during flight?  
.....

c) How do we call the chewing mouth parts of an insect?  
.....

d) Insects breathe through small holes called.....(stomata, spiracles)

53. a) Which property of magnets is important to a pilot?  
.....

b) In the space provided below, draw a horse shoe magnet





c) Give any one example of a natural magnet.

.....

d) Magnetic lines of forces run from

.....to.....pole.

54. a) What are visceral muscles?

.....

b) Mention two reasons why you should perform regular physical exercises.

.....

.....

c) How do we call muscles that work in pairs such that when one relaxes another one contracts. ....

55. a) How does a fuse work?

.....

b) What causes the tremendous sound heard as thunder after lightning?

.....

c) Give any other one way of preventing dangers of lightning apart from installing lightning conductors

.....

d) Which type of electricity is as a result of friction?

.....

**"THE ROAD TO SUCCESS IS ALWAYS UNDER CONSTRUCTION"**