

EDUCATION SOURCE 2024 (What's App 0779680288)

END OF MARCH EXAMINATION TERM ONE (External) 2024

INTEGRATED SCIENCE

NAME: _____

INDEX NUMBER

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Signature: _____

EXAMINER'S USE ONLY

Stream _____

Date _____

A	
B	
TOTAL	

Read the following instructions carefully:

- 1. This paper is made up of section A and B.**
- 2. Section A, Sub section I, has 30 questions carrying 30 marks and Sub section II has 20 questions carrying 20 marks.
Section B has 5 questions, each carrying 10 marks.**
- 3. Answer ALL questions. All answers to both section A and B must be written in the spaces provided.**
- 4 All answers must be written in blue ink.**
- 5. Any handwriting that cannot easily be read will lead to loss of marks.**
- 6. Unnecessary alteration of work may lead to loss of marks.**
- 7. Show all the necessary side work in pencil.**

PARENT'S COMMENT	SIGNATURE

SECTION A :(40 marks)

Questions 1 to 40 carry one mark each

1. Name one farm animal that can be castrated.

.....

2. Identify one example of a non-flowering plant.

.....

3. How is the tongue useful during the process of digestion?

.....

4. Describe one way plants depend on non-living things on the environment.

.....

5. Which STD causes blindness to unborn babies?

.....

.....

6. Name the single celled animal shown in the diagram below.

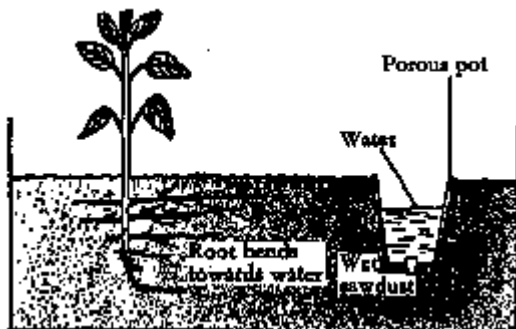


.....

7. Write down one effect of a bad sitting posture to the body.

.....

8. Identify the type of tropism is shown in the diagram below.



.....

9. Mention one disease of the respiratory system.

.....

10. Of what importance are tear glands found in the human eye?

.....

11. Many victims have had accidents on our roads nowadays. Why is it important to give them first aid?



.....

12. How is movement in a ball and socket joint different from that in a hinge joint?

.....

13. Write down one situation in a school in which a pulley system can be used.

.....

14. Convert 68°F to Celsius using $\frac{5}{9} (^{\circ}\text{F} - 32)$.

.....

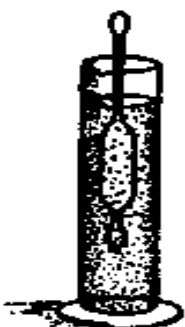
15. Apart from picking food, write down one other importance of a beak to a hen.

.....

16. How is the cotyledon of a bean seed similar to the endosperm of a maize seed?

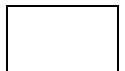
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17. Below is a dairy farm apparatus dipped in milk. State the use of the apparatus to a farmer.

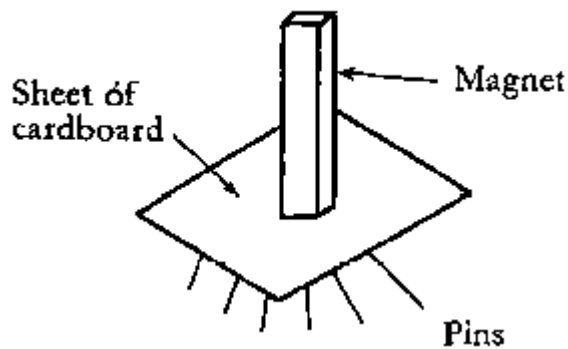


.....

18. How are the surfaces most tarmac roads made rough?
.....
19. How useful are valves in a human heart?
.....
20. Name the artificial way of providing immunity to babies and adults.
.....
21. What name is given to a living organism that feeds on decayed matter?
.....
22. Give one way of keeping our bodies clean.
.....
23. What is the use of melanin of the skin to an individual?
.....
24. A beehive contains three types of bees. Which type is usually seen around flowers?
.....
25. Give one difference between reflection and refraction of light.
.....
.....
26. State the function of a stem to a plant.
.....
27. Identify any one cause of sickness in a community.
.....
28. What important process takes place in air sacs of human lungs?
.....



29. What property of magnets is illustrated below?



30. Why do farmers in Uganda practice docking in sheep rearing?

31. A bag containing stones has a mass of 4900gm. It displaces water of 70cc. Calculate its density.

32. Mention the main function of a fuse in an electric circuit.

33. The diagram below shows two men pushing a wheel burrow. Who of the men uses less effort?



A



B

34. Give one reason for your answer in (33) above.

35. Give one similarity between spiracles on insects and gills in fish.

.....

36. Name the eye disease caused by tiny worms called onchocerca volvuli

.....

37. Write down one excuse people give for drinking alcohol.

.....

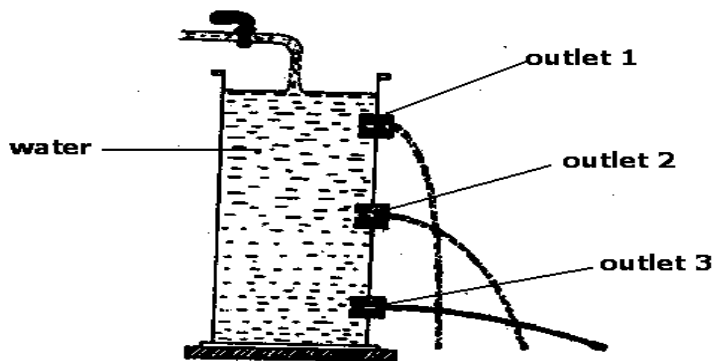
38. Where does digestion of food end in the alimentary canal?

.....

39. Name one non-metallic electric conductor used in dry cells.

.....

40. What does the experiment below show?



.....



SECTION B: 60 MARKS

Questions 41 to 55 carry four marks each

41. (a) What is a skeleton?

.....

(b) Name two types of skeletons.

(i)

(ii)

(c) Write down one function of a human skeleton.

.....

42. (a) Why are quarantines strictly observed by cattle keepers in Uganda?

.....

(b) Identify one practice carried out on a farm that leads to destruction of vegetation.

.....

(c) Write down two requirements for starting a livestock farm.

(i)

(ii)

43. (a) Name one resource in the environment that is a living thing.

.....

(b) Write down two uses of soil as a resource.

(i)

.....

(ii)

.....

(c) What name is given to a combination of two or more metals?

.....

.....

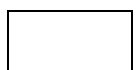
44. (a) Identify the part in a human heart that prevents the back flow of blood.

.....

(b) Name two components of blood.

(i)

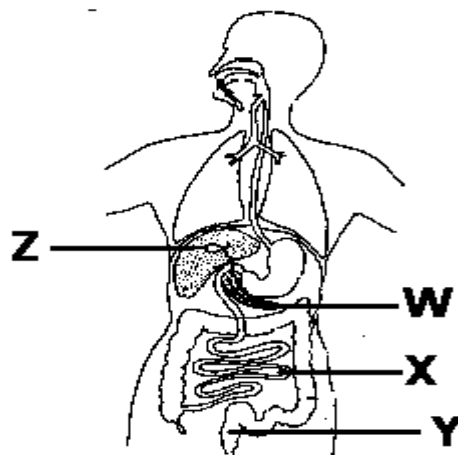
(ii)



- (c) Where are the white blood cells manufactured in a human body?

.....

45. The diagram shows a body system. Use it to answer the questions that follow.



- (a) Name the body system shown above.

.....

- (b) Name the part marked Z.

.....

- (c) What name is given to the juice produced in part marked W?

.....

- (d) Write down the process that takes place in part marked X.

.....

46. The 3 G's are a common abbreviation used in food and nutrition.

- (a) Write any one of the 3 G's.

.....

- (b) Identify any one disease a child is likely to develop due to lack of a balanced diet.

.....

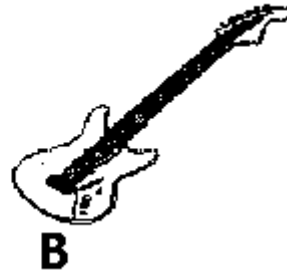
- (c) Give any two ways food can get contaminated.

- (i)

(ii)



47. The diagram below shows two types of instruments A and B.

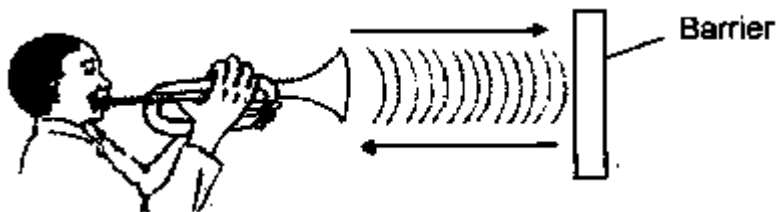


(b) Name the type of instruments A and B.

A.....

B.....

(c) What does the diagram below illustrate in relation the transmission of sound energy?



.....
(d) Give at least one way of reproducing stored music in Uganda today.

.....
48. (a) Name the place where seeds are first planted before their seedlings are transferred to a well prepared garden.

.....

(b) Write down the meaning of the following terms as they are used in growing crops.

i) weeding

.....

ii) thinning

.....

(c) Why do most farmers mulch their gardens?

.....

49. (a) What is an energy resource?

.....

(b) Name two energy resources in our environment.

(i)

(ii)

(c) State one use of heat energy to people in our environment.

.....

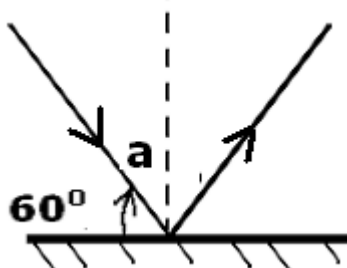


50. (a) State one law of reflection of light.

.....

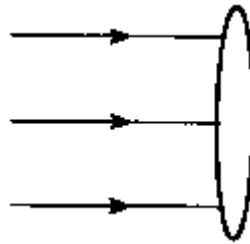
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(b) Calculate the size of angle **a** in the figure below.



(c) Complete the diagram below.

(d) Name the instrument used to see around corners.



.....

51. (a) Give the reason why magnets cannot attract pieces of wood.

.....

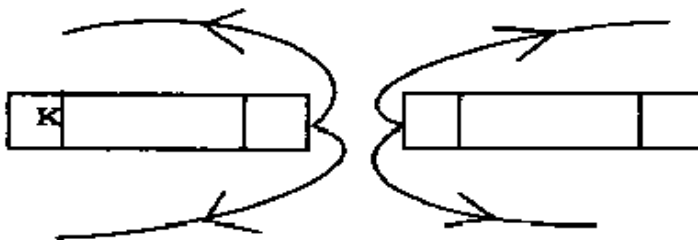
(b) In which direction do the poles of a freely suspended bar magnet point?

.....

(c) Give any one use of magnets in our daily lives.

.....

(d) Name the pole marked K in the diagram below.



.....

.....

52. The table shows some vertebrates. Use it to answer the questions that follow.

GROUP A	GROUP B	GROUP C	GROUP D
eagles	weaver bird	sun bird	duck
hawks	sparrow		swan
falcons	nightingale		goose
kites	pigeon		pelican

- (e) Name the group of vertebrates to which all the organisms in the table belong.

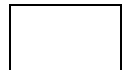
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- (f) What does the organism in group C feed on?

.....

- (g) State one characteristic that is common in organisms in group A.

.....



- (h) In the space provided below, draw the foot of one of the organisms found in group D.

53. (a) What is seed dispersal?

.....

- (b) Name two types of seed dispersal.

(i)

(ii)

- (c) Write down one advantage of seed dispersal to plants.

.....

54. (a) Give one example of an insulator.

.....

- (b) Which type of electricity is produced by rubbing a balloon against a woolen coat?

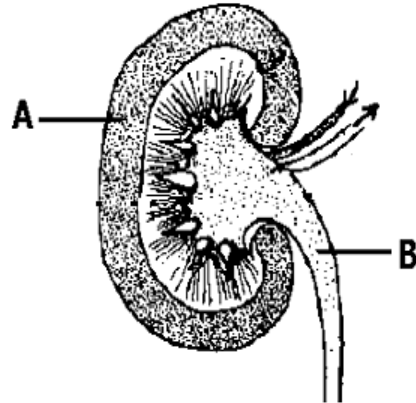
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- (c) Mention two uses of electricity to people.

(i)

(ii)

55. The diagram below shows a human kidney. Use it to answer the questions that follow.



- (i) Name the part marked B

.....

- (j) What process takes place in part marked A?

.....

.....

- (k) Name any disease that affects the system shown in the diagram above.

.....

- (l) Write down one way of caring for the kidney and the urinary system.

.....

.....



END