

INTERNAL SERIES CODE ELEVEN

PRIMARY LEAVING MOCK EXAMINATIONS

2024

INTEGRATED SCIENCE

Time allowed: 2 hours 15 minutes

Index No.

Random No.						Personal No.		

Candidate's name :

Candidate's signature :

School Random number :

District No. :

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Read the following instructions carefully :

1. Do not write your **school** or **district name** anywhere on this paper.
2. This paper has two sections: **A** and **B**.
Section **A** has **40** questions and section **B** has **15** questions. The paper has **15 printed papers** altogether.
3. Answer **all** questions. **All** the answers for both sections **A** and **B** must be shown in the spaces provided.
4. **All** working must be done using a **blue** or **black** ball point pen or ink. Any work done in pencil will **NOT** be marked except drawings and diagrams.
5. Unnecessary **changes** in your work and handwriting that cannot easily be read may lead to loss of marks.
6. Do not fill anything in the table indicated: "**For examiners' use only**" and the boxes inside the question paper.

FOR EXAMINER'S 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 - 55		
TOTAL		

SECTION A: 40 MARKS

Questions **1** to **40** carry one mark each.

1. Name the type of teeth absent in milk set of teeth.

.....

2. State any **one** feature that makes a cat to be regarded as a living thing.

.....

3. Give any **one** product made from sisal fibre.

.....

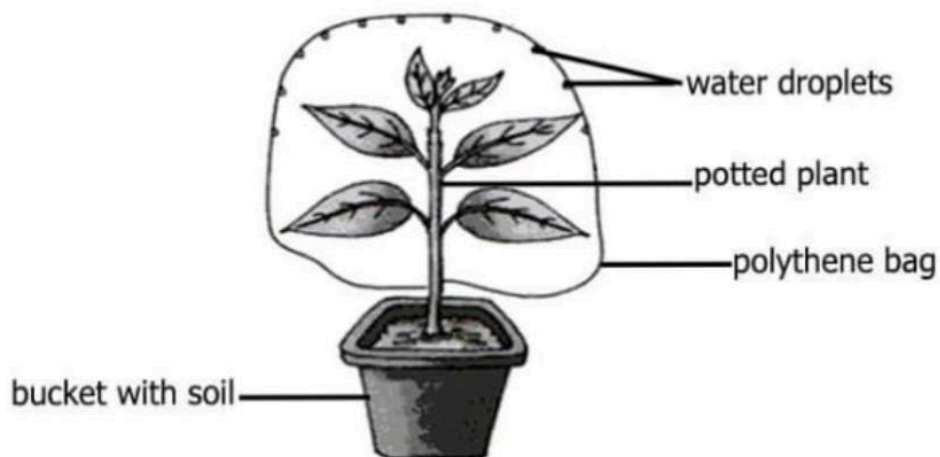
4. Name any **one** example of a bait used in stocking a bee hive.

.....

5. Why is sand soil not used for pottery?

.....

The diagram below shows an experiment setup of a plant process. Use it to answer the questions **6** and **7**.



6. Name the plant process shown in the experiment above.

.....

7. What role is played by the polythene bag in the experiment above?

.....

8. Why are people not advised to put out petrol fire using water?

.....

9. Give any **one** example of a beast of burden in the environment.

.....

10. State the energy change that takes place when a bird flies from a tree.

.....

11. Matayo's body temperature has increased by 2°C , what is his new body temperature?

.....

.....

12. Name the method of magnetization that does not involve the use of another magnet.

.....

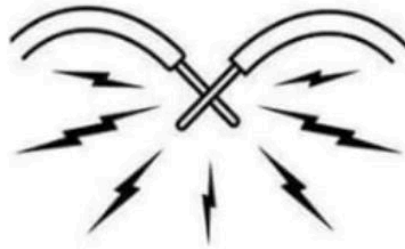
13. Why does a stone thrown in the sky fall down afterwards?

.....

14. Name any **one** liquid substance used to reduce friction in moving parts of a machine.

.....

Study the diagram below and use it to answer questions **15** and **16**.



15. Name the electrical problem shown above.

.....

16. Give any **one** sign of the electrical problem above.

.....

.....

17. Name the type of pulley system that gives a mechanical advantage of one.

.....

18. State the method used to store sound on memory cards.

.....

19. How are roots useful in the process of photosynthesis?

.....

.....

20. Apart from cocoyam, mention **one** other example of a stem tuber.

.....

21. Why is the inside part of a lens camera painted black?

.....

.....

22. Name the document used to monitor the growth of a baby.

.....

23. Give any **one** example of a seed bearing non flowering plant.

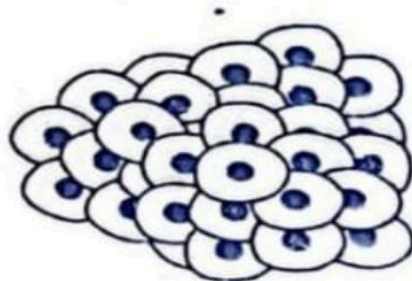
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24. State any **one** way in which ectoparasites can be controlled on a cattle farm.

.....

The diagram below shows mass rafts of eggs of an amphibian.

Study and use it to answer questions **25** and **26**.



25. Name the amphibian that lays eggs as shown above.

.....

26. How is heat from the sun important to the eggs of this amphibian?

.....

27. What is the voltage of a torch that uses two new dry cells?

.....

.....

28. Mention any **one** cause of truancy among school children.

.....

29. Apart from selective re-absorption, give **one** other process that takes place in the human kidneys.

.....

30. State the reason why the logs for making charcoal are burnt under limited supply of oxygen.

.....
.....

31. Name the component of air used to preserve semen during artificial insemination.

.....

32. Name the factor that determines the behaviour of an object when put in water.

.....

33. State the importance of a swivel bar on a poultry feeding trough.

.....
.....

The diagram below is of a sanitary equipment found in a school compound. Use it to answer questions **34** and **35**.



34. Name the above sanitary equipment shown above.

.....

35. Give the function of the part labeled A during hand washing.

.....

36. Name the structures in the human heart that enable blood to flow in one direction.

.....

37. State the role of the liver in digestion of fats.

.....

38. Name the type of change that takes place when a candle wick burns.

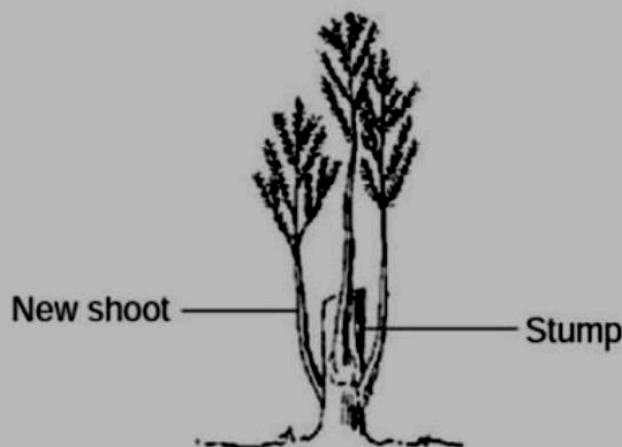
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39. Give **one** reason why the floor of a good pig sty should be slanting.

.....

.....

40. Name the method of harvesting trees shown below.



.....

SECTION B: 60 MARKS

Questions **41** to **55** carry four marks each.

41. (a) Name the form of energy used by the human ear to function.

.....

- (b) How is the human ear important to a deaf person?

.....

- (c) Which part of the human ear is considered;

- (i) As the Centre of hearing?

.....

- (ii) To have a role in body balance?

.....

42. (a) Give any **two** practices that can make an artificial magnet lose its magnetism.

- (i)

- (ii)

- (b) Why is the earth **not** regarded as an artificial magnet?

.....

- (c) State the use of an artificial magnet to a person using a six's thermometer.

.....

43. (a) State any **two** signs of crop pest and disease damage in plants.

(i)

(ii)

(b) Apart from crop pests and diseases, mention **two** other factors that affect the better yield of crops.

(i)

(ii)

44. The diagram below shows Lubega drinking water using a straw. Use it to answer the questions that follow.



(a) Name the property of air demonstrated above.

.....

(b) Apart from drinking water using a straw, give **two** other ways Lubega can use the above named property of air.

(i)

(ii)

(c) How is air in motion useful to a crop farmer?

.....

45. (a) State any **two** groups of arthropods.

(i)

(ii)

(b) Give any **two** characteristics common to arthropods.

(i)

(ii)

46. The table below shows steps involved in cleaning clothes at home and their importance. Choose from the list of steps given below and complete it correctly.

wringing, sorting, soaking, rinsing, ironing

STEP	IMPORTANCE
.....	Removes stains and eases washing
.....	Removes soapy water from clothes
.....	prevents fading clothes from staining unfading clothes
.....	Removes water from clothes for easy drying

47(a) State the importance of the following parts of the male reproductive system,

(i) Testis

.....

(ii) Sperm duct

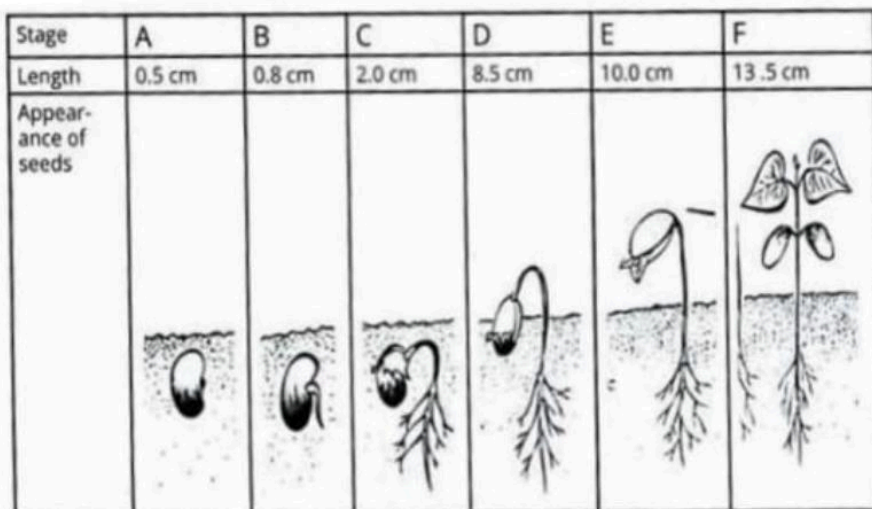
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(b) Give any **two** artificial methods of family planning used by men.

(i)

(ii).....

48. The diagram below shows the process of germination. Use the diagram to answer the questions that follow.

Stage	A	B	C	D	E	F
Length	0.5 cm	0.8 cm	2.0 cm	8.5 cm	10.0 cm	13.5 cm
Appearance of seeds						

(a) Name the type of germination shown above.

.....

(b) Using an arrow and letter P, show the part which makes food for the seedling at stage F.

(c) Give any **one** example of a crop with the above type of germination.

.....

(d) State any **one** way water is useful in the process of germination.

.....

.....

49. (a) Name the vaccine given to babies;

(i) Once in a life time

(ii) At 36 weeks

(b) Give any **two** reasons why the government of Uganda emphasizes immunization of all infants.

(i)

.....

(ii)

.....

50. (a) What name is given to manufactured feeds for rabbits?

.....

(b) Give a reason why a doe should be given a block of salt to lick.

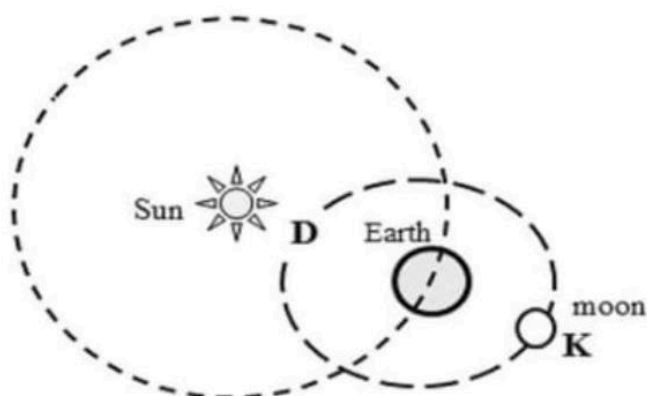
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(c) Apart from a wire mesh, state **two** other materials used to construct a rabbit hutch.

(i)

(ii)

51. The diagram below shows how the moon and the earth revolve to form eclipses. Study the diagram and use it to answer the questions that follow.



(a) Name the **type** of eclipse formed when the moon;

(i) Revolves and reaches point

D

(ii) Revolves and reaches point

K

(b) Explain how a penumbra shadow is formed. (02marks)

.....

52. (a) Give any **two** body organs damaged due to alcoholism.

(i)

(ii)

(b) Apart from being used as a drink, state any **two** ways in which alcohol is useful to people.

(i)

(ii)

53. Laura and her friend Esther are P.7 pupils who decided to go and swim in a dam on their way back home from school. As they were swimming, Esther near drowned. Arrange the steps given below in a correct order to explain the first aid Laura gave to her friend, who had near drowned.

- i. Lie Esther on her back and tilt her head backwards.
- ii. Remove Esther from water immediately.
- iii. Shout for help from people around.
- iv. Apply mouth to mouth breathing.

i.

ii.

iii.

iv.

54. (a) Which element of PHC is promoted by having a clean toilet in a home?

.....

(b) State any **two** common materials used to keep toilets clean. .

(i)

(ii)

(c) Give any **one** importance of water left inside the bowl of a toilet after flushing.

.....

55. The diagram below shows a boy exercising by running. Study and use it to answer the questions that follow.



- (a) Name the body process providing energy to the boy during the exercise.

.....

- (b) Apart from regular exercising, mention **two** other health habits that maintain the body systems healthy.

(i)

(ii)

- (c) Why would you advise this boy to take glucose after this exercise?

.....

END