SURE KEY EXAMINATION

MAGIC SERIES ONE

PRE PLE

2026

INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Random NO.						Personal No.		

Candidate's Name: ……

Candidate's Signature: ……

Read the following instruction carefully:

1. Do not forget to 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 pages** altogether.
3. Answer **all** the questions. **All** answers to both sections **A** and **B** must be written in the spaces provided.
4. All answers **must** be written using a **blue** or **black** ball point pen or ink. Any work written in pencil will **not** be marked.
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 - 55		
TOTAL		

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Turn Over

SECTION A: 40 MARKS

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

SECTION A (40 MARKS)

1. Name the vector that lays eggs in fast flowing water.

   .....

2. State any **one** value of friction to a P.7 candidate writing his /her examinations.

   .....

3. Write down any **one** waste product removed by the skin from the body.

   .....

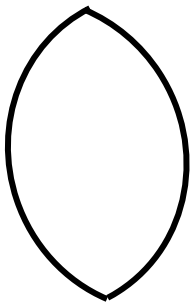
4. Give any **one** use of proteins to the sick.

   .....

5. In which state of matter does heat travel fastest by conduction?

   .....

   The diagram below is of a lens. Use it to answer questions **6** and **7**.



6. Name the type of lens shown above.

   .....

7. What effect does the above lens have on a parallel beam of light?

.....

8. How does alcoholism affect a pregnant mother?

.....

9. Which digestive disorder leads to accumulation of gases in the stomach?

.....

10. How does a fish benefit from its slippery body?

.....

The diagram below is of a garden tool. Use it to answer questions **11** and **12**.



11. Name the garden tool drawn above.

.....

12. State any **one** use of the garden tool shown above to a farmer.

.....

13. Why are biceps and triceps called antagonistic muscles?

.....

Turn Over

14. Apart from penetrating the bare skin, give any other way hookworms enter the human body.

……

15. Write down any **one** danger of having early sex to female adolescents.

……

16. Name the form of energy stored in plants.

……

17. How is the reproduction in reptiles similar to that of mammals?

……

18. Why is it not advisable to use water in putting out fire caused by petrol?

……

19. In the space provided below, draw a beak of a nectar sucker.

20. What is the use of a tourniquet in first aid management?

……

21. Write down any **one** composition difference between inhaled and exhaled air.

……

22. What structure do the energy saving charcoal stoves have that enables them to use less charcoal?

……

23. Apart from coccidiosis, give any other protozoan disease in poultry that you know.

……

24. What causes pellagra in humans?

……

25. Why does a green dress appear green?

……

26. Apart from the polio vaccine, give any other vaccine administered to infants orally.

……

27. How is wringing as a step in cleaning clothes important?

……

28. Apart from synovial fluid, which other part helps to reduce friction at a joint?

……

Turn Over

29. What is the function of the cotyledon to a germinating bean seed?

.....

30. State any **one** way in which a nursery bed is important to a farmer.

.....

31. Whenever Ivan is riding his bicycle, a lot of noise is produced by the chain and the wheels. What can he do to stop the noise while riding it?

.....

32. Write down any **one** structural difference between a cock and a hen.

.....

33. Write down any one way of maintaining the proper functioning of the human lungs.

.....

34. How does frequency affect the pitch of sound produced by vibrating objects?

.....

35. How important is earthing up in tuber crops growing?

.....

36. Write down any **one** danger caused by short circuits to the people.

.....

37. Which method of harvesting trees encourages the growth of new shoots?

.....

38. How does a maize plant benefit a goat in the environment?

.....

39. Write down any **one** principle of Primary Health Care.

.....

40. Give any **one** indicator of bacteria presence on leftover food.

.....

SECTION B: 60 MARKS

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

41. (a) Write down any **two** causes of delinquency in your community.

(i) .....

(ii) .....

(b) Give any **one** effect of delinquency to the people that you know.

.....

(c) State any **one** practice at school that helps to control delinquency.

.....

42. (a) Which type of teeth develop first in humans?

.....

(b) Write down any **one** disease and disorder of the teeth.

(i) Disease: .....

(ii) Disorder: .....

(c) Name the largest part of the tooth.

.....

43. (a) What is food preservation?

.....

(b) Apart from refrigeration, give any other method of food preservation which does not involve the use of heat.

.....

(c) Explain how refrigeration helps to preserve foodstuffs.

.....

.....

.....

44. (a) What is recycling as used in the conservation of the environment?

.....

(b) Write down any **two** ways people use empty plastics at home.

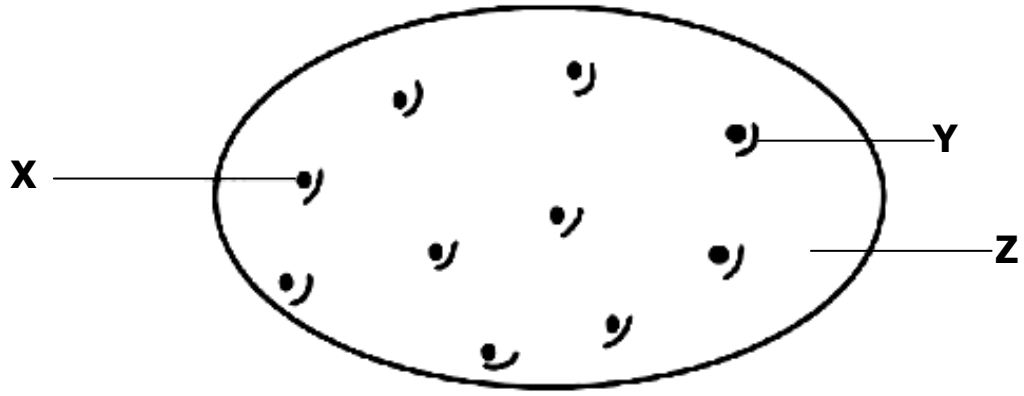
(i) .....

(ii) .....

(c) Give any **one** danger of polythene bags to the soil.

.....

45. The diagram below is of an irish potato. Use it to answer the questions that follow.



(a) Name the parts labeled **X** and **Z**.

(i) **X**: .....

(ii) **Z**: .....

(b) How is the propagation of the irish potato above different from that of a sweet potato?

.....

.....

(c) Write down any **one** disease which affects irish potato tubers.

.....

Turn Over

46. (a) Write down any **two** signs of poisoning.

(i) .....

(ii) .....

(b) Which body organ is excessively damaged by swallowed poison?

.....

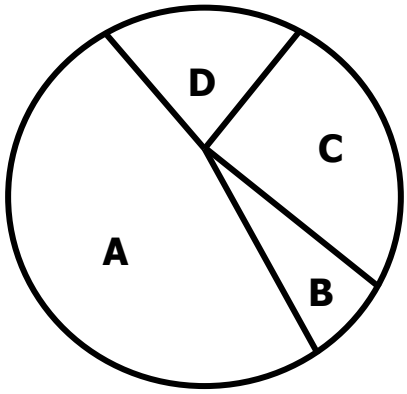
(c) What first aid can be given to a person who has swallowed rat poison?

.....

.....

.....

47. The pie chart below shows the different composition of air in the atmosphere. Study and use it to answer the questions that follow.



(a) Name the component of air represented by letters **A** and **C**.

(i) **A**: .....

(ii) **C**: .....

(b) Which of the components above is used by plants in the making of their own food?

.....

(c) Give any **one** danger of moving air in the environment.

.....

48. (a) Name the type of clouds nearest to the ground.

.....

(b) Write down any **two** effects of cloud cover in the environment.

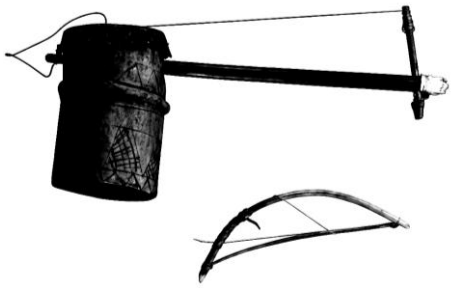
(i) .....

(ii) .....

(c) How important are clouds in the growing of crops?

.....

49. The diagram below is of a musical instrument. Use it to answer the questions that follow.



(a) Name the musical instrument shown above.

.....

(b) Apart from the musical instrument above, give any other musical instrument that does not belong to the same group as the above.

.....

(c) How does the above musical instrument produce sound?

.....

(d) Why is wax applied on the string of musical instrument above?

.....

Turn Over

50. Match the mixtures in List **A** with the methods of separation in List **B**.

List A (Mixtures)	**List B (Methods of separation)**
a) Cooking oil and water	Winnowing
b) Rice with iron fillings	Use of a magnet
c) Water and salt	Use of a separating funnel
d) Maize with husks	Evaporation

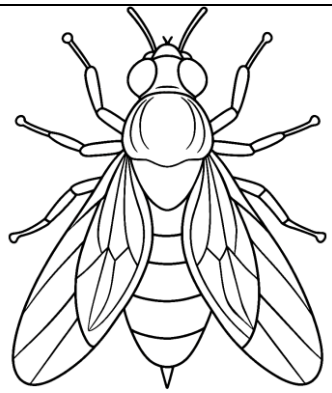
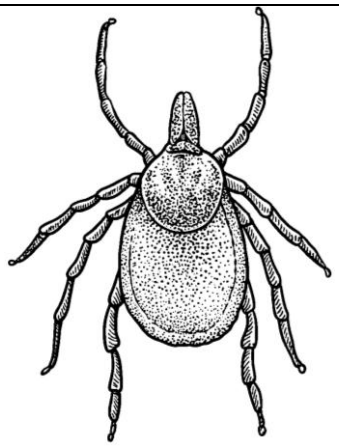
a) Cooking oil and water: .....

b) Rice with iron fillings: .....

c) Water and salt: .....

d) Maize with husks: .....

51. Study the diagrams of the vectors below and answer the questions that follow.

Vector A	**Vector B**
	

(a) How does vector **A** spread germs to people?

.....

(b) Write down any **two** ways of preventing the breeding of vector **A** in the environment.

(i) .....

(ii) .....

(c) Name the disease spread by vector **B** to humans.

.....

52. (a) Write down any **two** signs of a goat on heat.

(i) .....

.....

(ii) .....

.....

(b) What is the gestation period of a nanny goat?

.....

(c) Give any **one** reason as to why people prefer rearing goats to cattle.

.....

.....

53. (a) What is meant by the term wood seasoning?

.....

.....

(b) Give any **two** reasons for carrying out wood seasoning.

(i) .....

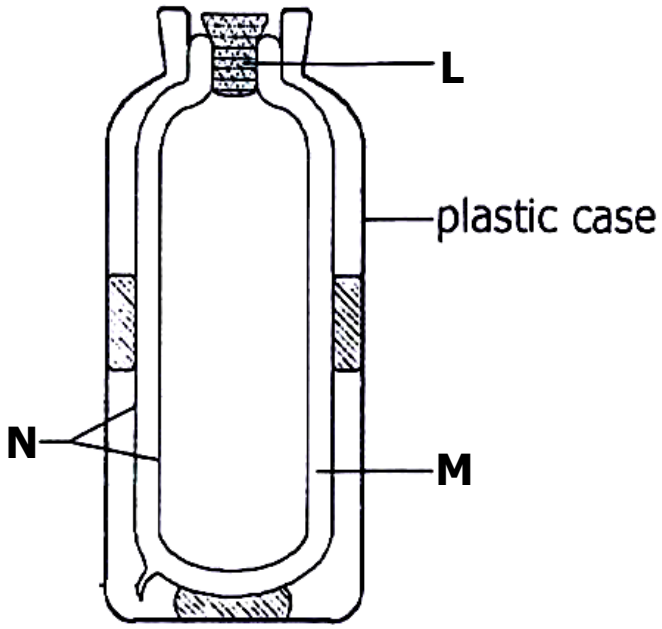
(ii) .....

(c) Write down any **one** value of a woodlot to man.

.....

Turn Over

54. The diagram below is of a vacuum flask. Use it to answer the questions that follow.



(a) Name the part labeled **L**.

……

(b) By what process do the parts labeled **L** and **N** prevent heat loss or gain?

(i) **L**: ……

(ii) **N**: ……..

(c) Jayden was told to clean the vacuum flask at home. He got hot porridge in it and poured into a cup. He hurriedly poured cold water into the flask and it suddenly broke. Give a reason why the flask got broken.

……

……

……

55. Given a charcoal stove with burning charcoal, a saucepan, a glass cover and a lump of soil, explain in four steps how you can prove to your parent that soil contains water.

(i) .....

.....

(ii) .....

.....

(iii) .....

.....

(iv) .....

.....

END