



PURSUIT EXAMINATIONS BOARD

PRIMARY LEAVING **MAGIC SET I** EXAMINATIONS 2023

INTEGRATED SCIENCE

Time allowed: 2 hours 15 minutes

Random. No.						Personal No.		

Candidate's Name:

Candidate's signature:

District ID 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.
3. Answer all questions. All working for both sections **A** and **B** must be shown 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 EXERMINERS' 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		



Pursuit of excellence

SECTION A: 40 MARKS

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

1. Name the type of soil that has the highest drainage pattern.

.....

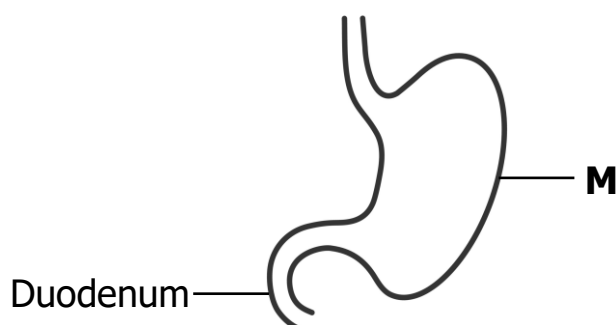
2. State any one importance of proper handling of cooked food in a home.

.....

3. Which group of cold-blooded vertebrates predominantly live in water?

.....

The diagram below shows parts of the alimentary canal. Study and use it carefully to answer questions **4** and **5**.



4. Name the part of the alimentary canal marked with letter **M**.

.....

5. To which body system does the above drawn diagram belong?

.....

6. State any one cause of community health concerns in an area.

.....

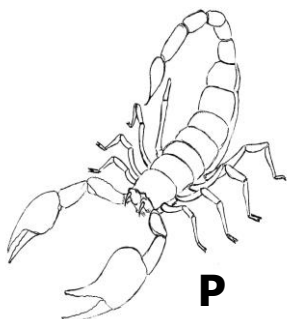
7. Give any one way in which the sun causes formation of rain in an area.

.....

8. Name the method of harvesting wood that increases yielding of fruits and eases harvesting.

.....

The diagram below is of some animals. Study and use it carefully to answer questions **9** and **10**.



9. To which group of invertebrates does the animal marked **P** belong?

.....

10. In which way is the reproduction of animal marked **P** different from the one of **Q**?

.....

.....



11. State the reason why mass of an object is always constant.

.....

12. Name the internal body organ protected by the spinal column.
.....
13. Give any one factor that affects the weather pattern of an area.
.....
14. State any one way in which sound is useful in the environment.
.....
15. Give any one advantage of crop rotation method of farming.
.....
16. State any one activity a P.7 pupil can do to promote community health in a school.
.....
17. In which way does soaking of clothes ease washing during cleaning?
.....
18. State any one way in which conduction of heat is applied in daily life.
.....
19. Name the condition in which the victim's body temperature rises beyond normal.
.....
20. Give any one example of drugs of dependency.
.....



21. In which way do plants help to reduce the amount of carbon dioxide in the environment?

.....

The diagram below shows certain items used to manage certain type of weather. Study and use it carefully to answer questions **22** and **23**.



22. Identify the items drawn above.

.....

23. Which type of weather requires regular use of the named items in (**22**) above?

.....

24. Name the form of energy obtained from water tides.

.....

25. Give the reason why cattle farmers carry out deworming.

.....

26. State any one way in which the human kidney is adapted to its function.

.....

27. Which element of Primary Health Care is promoted during an assembly organised to check on learners' hygiene in a school?

.....

28. State any one way in which luminous bodies are important in the environment.

.....

29. Name the type of chicken that poultry farmers keep in order to obtain two main products.

.....

30. Give any one primary sex characteristic common among adolescent boys.

.....



31. What term refers to the introduction of vaccines to the body to cause immunity?

.....

32. Give any one condition that causes honey bees to be fed on supplementary feeds.

.....

33. Which blood vessels transport blood at lower blood pressure in the human body?

.....

34. Name any one instrument used for measuring length.

.....

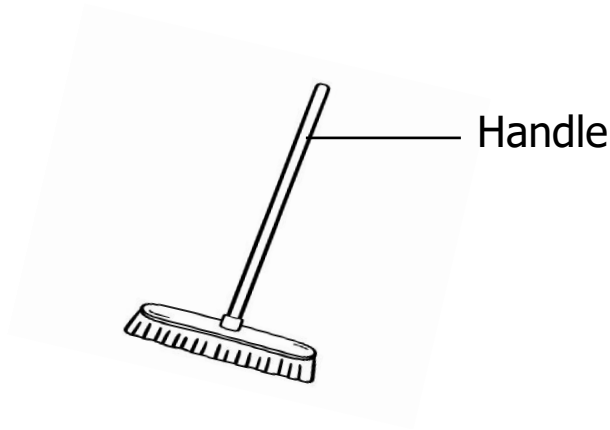
35. Give any one advantage of using natural manure over artificial manure in the soil.

.....

36. In which one way is the images formed by pinhole camera similar to the images formed by the human eye?

.....

The diagram below shows an item used to promote sanitation. Study and use it carefully to answer questions **37** and **38**.



37. Name the item drawn above.

.....

38. In which way does the named item in (**37**) above important in the environment?

.....

39. What is the method of seed dispersal of castor oil seeds?

.....

40. Name the Sexually Transmitted Disease that is caused by protozoa in humans.

.....



SECTION B: 60 MARKS

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

41. (a) Mention any two groups of birds in the environment.
(i).....

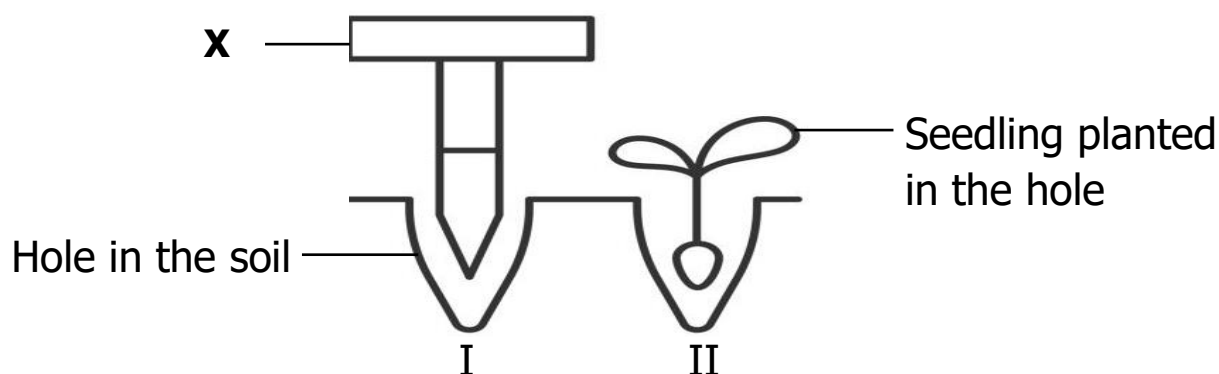
(ii).....

(b) Give any two ways birds are important in the environment.

(i)

(ii)

The diagram below shows farming practice. Study and use it carefully to answer the questions that follow.



42. (a) Name the garden tool marked with letter **x**.
.....

(b) Give the use of the garden tool named in **42 (a)** above.
.....

(c) State any two advantages of raising up seedlings in a nursery bed.

(i)

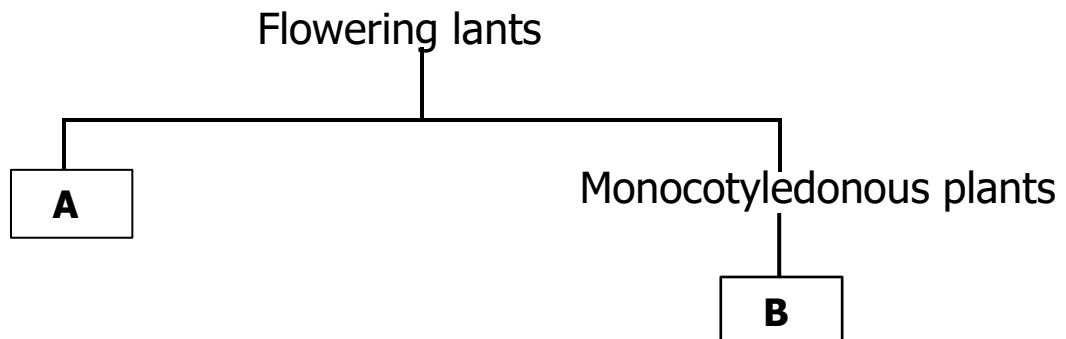
(ii)

43. (a) Name the component of blood that;
- (i) Defends the body against diseases
.....
- (ii) Transports oxygen in the body
.....
- (b) Name any one disease that attacks the circulatory system.
.....
- (c) State one way in which a person can care for his/her circulatory system.
.....



44. (a) Name any two dairy breeds of goats kept in Uganda.
- (i)
- (ii)
- (b) State any two reasons why some farmers prefer keeping goats to keeping cattle on a farm.
- (i)
- (ii)

The table below shows the group of flowering plants. Study and use it to answer the questions that follow.



45. (a) Mention the group of flowering plants marked **A**.

.....

(b) Name any one example of a plant that can be represented by letter **B**.

.....

(c) State any two ways in which plants marked **A** are different from the monocotyledonous plants.

(i).....

(ii).....

46. (a) Give any two examples of activities that promote good health of the human body.

(i).....

(ii).....

(b) State any two importance of having enough rest and sleep to the health of a person.

(i).....

(ii).....



47. (a) Give the meaning of the following terms;

(i) Solute

.....
.....

(ii) Solvent

.....
.....

(b) Which method of separating mixtures requires use of wind?

.....

(c) Give any one way in which the named method in **47 (b)** above is applied in daily life.

.....

48. (a) Give any two primary sex changes that occur in both adolescent boys and girls.

(i)

(ii)

(b) State two ways in which problems associated with adolescents can be solved in a community.

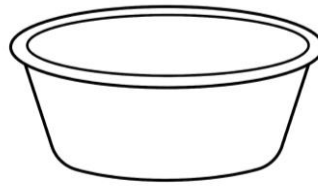
(i)

(ii)

The diagrams below show two containers, **A** and **B** containing hot water. Study and use them to answer the questions that follow



A



B

49. (a) Which of the two containers will cool hot water first when poured in them at the same time?

.....

- (b) Give a reason to support your answer in **49 (a)** above.

.....

- (c) State any two effect of heat loss on matter.

(i).....

(ii).....



50. (a) Give any two causes of soil erosion in the environment.

(i).....

(ii).....

- (b) State any one way in which soil erosion can be controlled;

(i) In a hilly area

.....

(ii) In a school compound

.....

51. (a) Which class of simple machines is formed by joining two inclined planes to form an edge?

.....

(b) State any two ways in which use of simple machines make work easier.

(i)

(ii)

(c) Give one factor that affects smooth running of simple machines.

.....

52. (a) Mention any two groups of people whose health can easily be harmed.

(i).....

(ii).....

(b) State any one way of caring for the above named groups of people in **52 (a)** above.

.....

(c) Give main reason why babies should be taken for immunisation.

.....



53. The table below shows administration of different vaccines. Study and use it to complete the blank spaces.

Disease	Vaccine	Way of administration
Measles	By injection
.....	BCG
Polio	OPV

54. (a) Name any one scale used for measuring temperature.

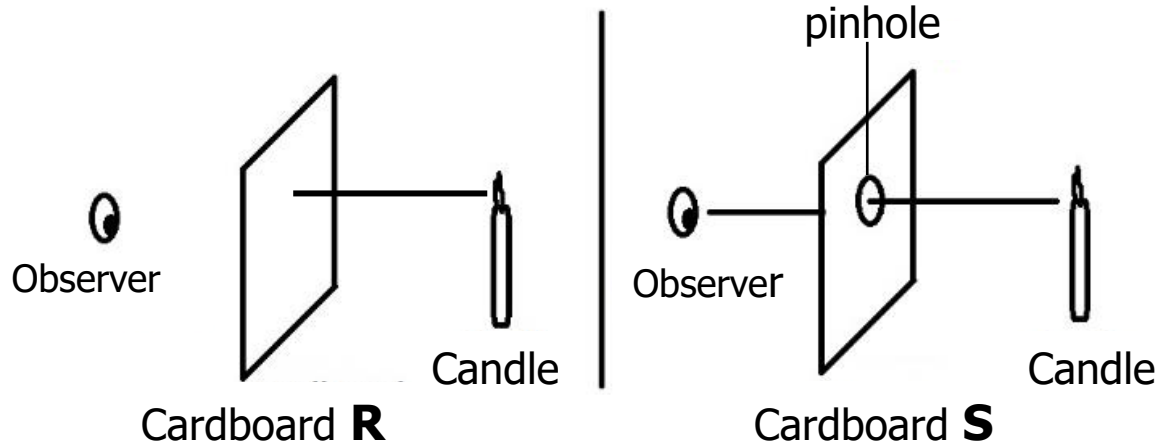
.....

- (b) Which instrument is used for measuring temperature?

.....

- (c) Convert **60**°C (degrees Celsius) to °F (degrees Fahrenheit)
(02 marks)

The diagrams below show two different experiments carried out by a P.7 pupil about light. Study and use them to answer the questions that follow.



55. (a) What does the above experiment prove about light?

.....

(b) Identify the cardboard that allows the observer to see the light from the burning candle.

.....

(c) Give any two examples of transparent objects.

(i).....

(ii).....

