



# PURSUIT EDUCATION SERVICES

PRIMARY SEVEN SPECIAL SET.

2023

INTEGRATED SCIENCE

*Time allowed: 2 hours 15 minutes*

Index. No.						Personal No.		

Candidate's Name: .....

Candidate's signature: .....

District ID No.

--	--	--	--

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		

## Section A: 40 Marks

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

1. Name any one animal that can be used as labour in a home.

.....

2. Give any one way in which food contamination by insect vectors like houseflies can be controlled.

.....

3. Which body organ gets damaged when one becomes addicted to taking cocaine?

.....

The diagram below shows a facility used in a community to control the spread of diarrhoeal diseases. Study it carefully and use it to answer questions **4** and **5**.



4. Name the facility drawn above.

.....

5. How is the facility drawn above important in prevention of diarrhoeal diseases in a community.

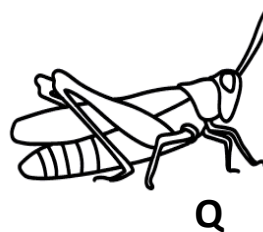
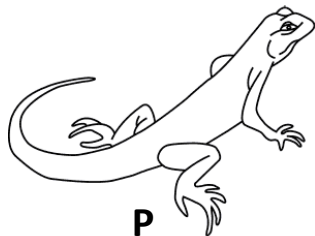
.....

6. Name any one object that can float when placed in water.

.....

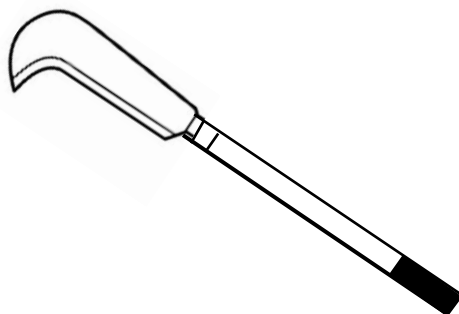
7. State the directive property of a magnet.  
.....
8. Name the form of energy needed by a torch user during night hours.  
.....

The diagrams below are of two animals marked **P** and **Q**. Study and use them to answer the questions **9** and **10**



9. Name the group of vertebrates animal marked with letter **P** belongs.  
.....
10. How is the breathing of animal marked **P** different from the one of **Q**?  
.....
11. Give any one Immunisable disease whose vaccine is administered to infants at six (**6**) weeks.   
.....
12. State the reason why teenage girls are riskier to contracting HIV/AIDS than boys.  
.....
13. Write any one way in which child to child programme has promoted leadership skills among children.  
.....

The diagram below is of a garden tool. Study it carefully and use it to answer questions **14** and **15**.



14. Name the garden tool drawn above.  
.....
15. How is the above drawn garden tool useful in crop and tree growing?  
.....
16. Mention any one breed of chicken reared by farmers in Uganda.  
.....
17. State the principle on which **DC** generators work.  
.....
18. Name the part of air plants use during the process of respiration.  
.....
19. Give any one agent of pollination.  
.....
20. Name the process in charcoal production where wood is burnt under limited supply of oxygen.  
.....



21. Give any one activity involved in hardening off seedlings in a nursery bed.

.....

22. Name any one liquid used in thermometers.

.....

23. Give the similarity in reproduction between a mushroom and a moss plant.

.....

24. State any one reason for making alloys.

.....

The diagram below shows two states of matter. Use it to answer questions **25** and **26**.

Gas

Liquid

25. Use an arrow to indicate the change of state by evaporation in the above diagram.

26. Give any one factor that affects the rate of the above change in **(25)** above.

.....

27. Give any one way in which distillation is applied in real life.

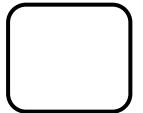
.....

28. What happens to the human arm when the biceps contracts?

.....

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

30. Name the components of soil that holds soil particles together.  
.....



31. What form of energy is stored in simple or wet cells?  
.....

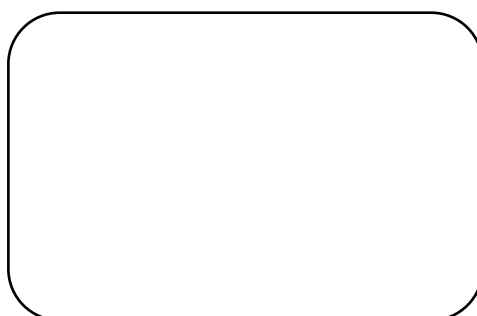
32. State the reason why people with hookworm infestations are at higher risks of getting anaemia.  
.....

33. Give any one way in which plants make use of water.  
.....

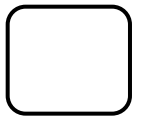
34. State any one way of conserving moisture in a garden.  
.....

35. Name the place where seedlings are raised before transplanting them.  
.....

36. In the space provided below, draw a compound pinnate leaf.



37. Give any one importance of correct child spacing in a family.  
.....
38. Name the type of skeleton where an organism gets support and protection from body fluids under pressure.  
.....
39. How does Immunisation boost one's body immunity against Immunisable diseases?  
.....
40. What term is given to animals with a backbone?  
.....



## SECTION B: 60 MARKS

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

41. (a) Give the meaning of poultry vices.

.....  
.....

- (b) State any two causes of poultry vices among birds.

(i) .....

(i) .....

- (c) Give any one way in which egg eating is controlled among poultry.

.....

42. (a) What term refers to the degree of hotness and coldness of the body?

.....

- (b) Give any one physical process caused by drop in temperature.

.....

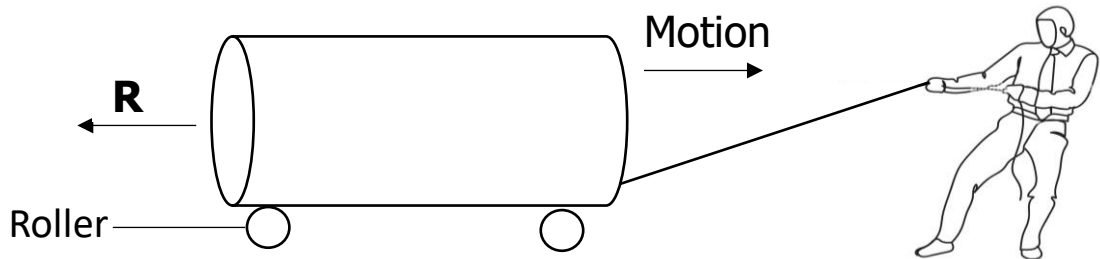
- (c) State any two effects of heat gain on matter.

(i) .....

(ii) .....



43. The diagram below shows an object being pulled by a man. Study and use it to answer the questions that follow.



- (a) Name the force represented by letter **R**.

.....

- (b) Give any two advantages of the above force represented by letter **R** in the above diagram.

.....

- (c) Give one way in which the named force in **44** (a) above is dangerous in daily life?

.....

44. (a) Name the fungus that reproduces by budding.



.....

- (b) State any two ways fungi can be useful to man.

(i) .....

(ii) .....

(c) Mention any one disease that is caused by fungi to humans.

.....

45. (a) What term refers to the removal of ready and mature crops in the garden?

.....

(b) Give any two crop growing practices that conserves soil.

(i) .....

(i) .....

(c) State any one cultural method of controlling pests in the garden.

.....

46. The diagram below shows a type of teeth. Study and use it to answer the questions that follow.



- (a) Give the function of the above drawn tooth.

.....

- (b) Name any one bacterial disease of the human teeth.

.....

- (c) Give any two ways of caring for the human tooth.

(i).....

(ii).....



47. (a) Name the cattle product that requires regular use of a strip cup.

.....

- (b) Give any one breed of cattle reared for beef production in Uganda.

.....

- (c) How does application of quarantine measures control the spread of cattle diseases on a farm?

.....

- (d) Give any one method of rearing cattle.

.....

48. (a) State the property of air that enables it to flow down the floor.

.....

- (b) Name the components of air used in;

- (i) Germination

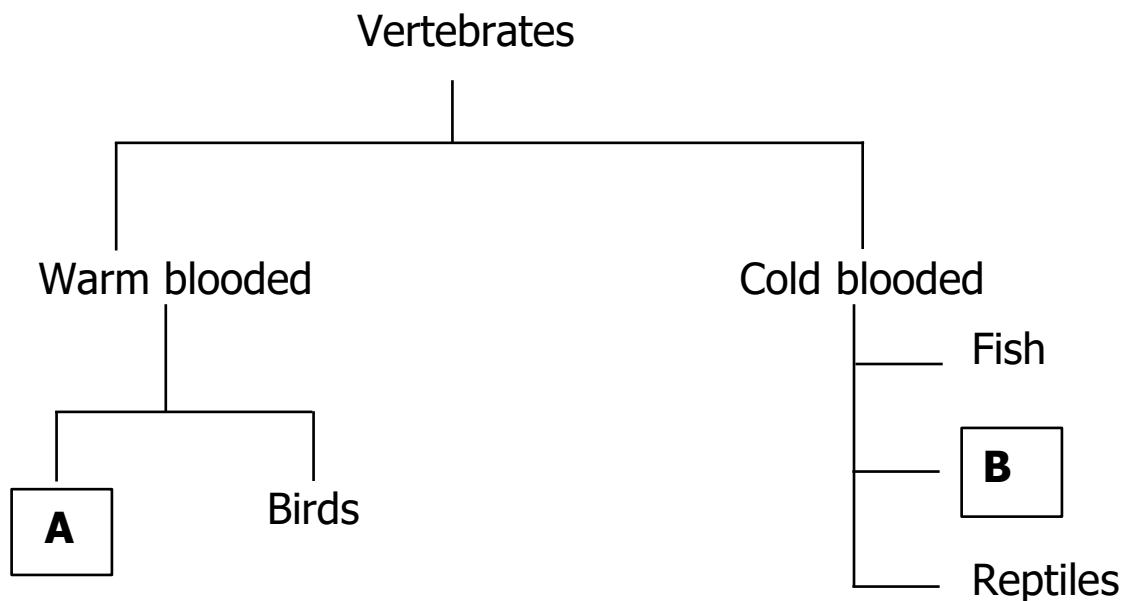
.....

- (ii) Fire extinguisher

.....

(ii) Preservation

49. The table below describes the body temperature of vertebrates. Study and use it to answer the questions that follow.



- (a) Name the groups of vertebrates represented by letters;
- (i) A .....
- (ii) B .....
- (b) Give any one way in which the reproduction of birds is similar to the one of fish.
- .....
- (c) Identify the group of vertebrates in the above table that uses gills for breathing.

50. (a) Name the deficiency disease that causes retention of fluids in the body of children.

.....

(b) Give any two food stuffs that provide plant proteins when eaten.

(i) .....

(ii).....

(c) State any one way of preventing deficiency diseases among children.

.....

51. (a) State the roles of the following types of bees in a hive;

(i) Worker bees

.....

(ii) Queen bees

.....

(b) What happen when a queen bee dies in a hive?

.....

(c) Give any one way of stocking hives in apiculture.

.....

52. (a) Give any two bones that form the joint at the elbow of the human body.

(i) .....

(ii) .....

(b) What name is given to the joint at the elbow?

.....

(c) State any one way friction is reduced in movable joints.

.....

53. The table below shows the human body organs, the system to which they belong and organ function. Study and complete it correctly.



ORGAN	SYSTEM	ORGAN FUNCTION
Liver	Digestive	..... .....
.....	Reproductive	Produces sperms
Kidney	.....	Removes urine
Lungs	Respiratory	..... .....

54. Match the changes in list **A** to their given examples in the list **B**

List **A**

Biological change

Physical change

Chemical change

List **B**

Rotting

Moulting

Stretching of a rubber

(i) Biological change .....

(ii) Physical change .....

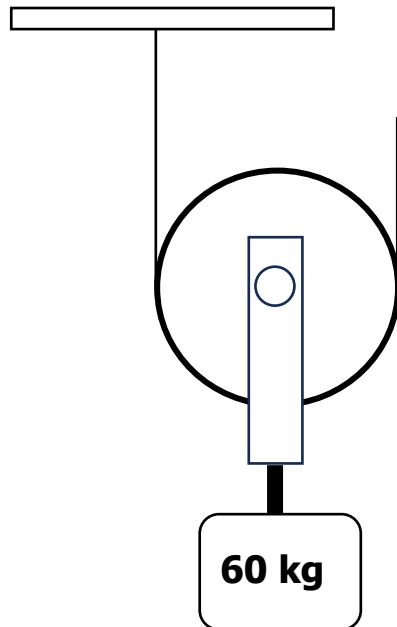
(iii) Chemical change .....

(b) State any one way chemical changes are important.

.....



55. The diagram below is of a pulley. Study and use it to answer the questions that follow.



- (a) Name the pulley system drawn above.

.....

- (b) Use letter **E** and an arrow to indicate the direction of effort (**E**) movement.
- (c) Calculate the effort needed to raise the load of **60 Kg**.

