



FLOURISH OF EXCELLENCE EXAMINATIONS BOARD- MANAFWA
PRIMARY SEVEN MID FEB EXAMINATION SET TWO

2024

INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Candidate's Name:

Candidate's Signature:

School Name:

District Name:

Read the following instructions carefully:

1. Do not forget to write your **school** or **district name** on the paper.
2. This paper has two sections: **A** and **B**.
Section **A** has **40** questions and section **B** has **15** questions. The paper has **10** printed pages.
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 **Turn Over** 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		

SECTION A: 40 MARKS

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

1. Name the component of soil formed from weathering of rocks.
.....
2. Which type of germination does a bean seed undergo?
.....
3. State any **one** way in which coal is used as an energy resource.
.....
4. Which type of changes in living things do not involve chemical reactions?
.....
5. Mention any **one** condition that can lead to fever.
.....

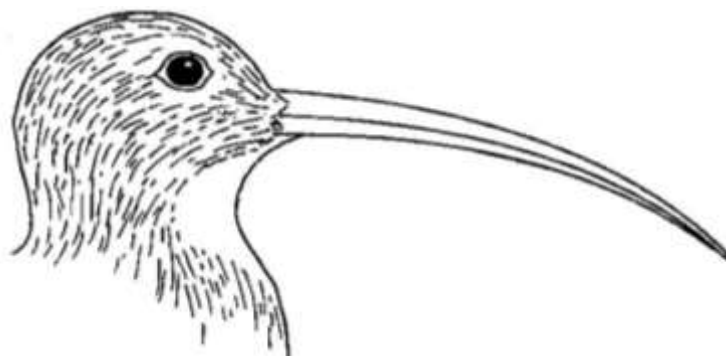
The diagram below is of a device used to store sound. Use it to answer questions 6 and 7.



6. Name the method of storing sound that involves the use of the above device.
.....
7. State any **one** way of reproducing sound stored using the above device
.....
8. How do hookworms affect the circulatory system?
.....
9. Mention any **one** system of keeping poultry that can be used for commercial purposes.
.....
10. Apart from Gristle, which other substance helps to reduce friction between bones at a joint?
.....
11. How is ash useful in an Ecosan latrine?
.....



The diagram below shows a beak of a bird. Use it to answer questions 12 and 13.



12. What kind of food does a bird with the beak above eat?
.....

13. How are birds with such a beak useful to crop farmers?
.....
14. State any one principle of PHC.
.....
16. State any **one** condition under which a mother may be stopped from breast feeding the baby.
.....
17. Give any **one** example of the chemicals used in treating water for drinking.
.....
18. State any **one** way in which the breeding of lice can be controlled.
.....
19. How does sunshine help to preserve sliced cassava?
.....
20. State any **one** factor that a bee keeper should consider when setting a hive.
.....
21. How is a maize plant able to withstand the weight of the fruits during flowering stage?
.....
.....
22. State the method used to separate liquids with different densities.
.....
23. Give any **one** way in which a school health committee is important at School.
.....
24. Why should houses of goats be built with wooden floors?
.....
- The diagram below shows a method of artificial vegetative propagation. Use it to answer questions **25** and **26**.



25. Identify the method of artificial propagation shown above.
.....
26. Give any **one** advantage of the above method of plant training.
.....
27. Which body system is attacked by bronchitis?
.....
28. Why are people advised to do regular physical body exercises?
.....

29. Mention any **one** condition that can lead to fever.

30. Name the disease vector that breeds in fast flowing water.

31. State any **one** factor that a doctor considers when prescribing drugs to a patient.

32. Give any **one** way in which non bio degradable wastes can be reused at home.

33. Which process in animals increases the amount of carbon dioxide in the atmosphere?

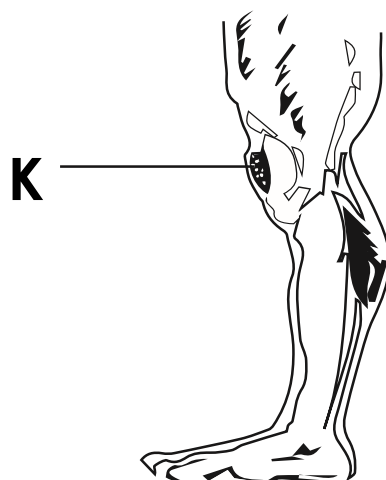
34. How is the human heart different from the heart in terms of their function?

35. Give any **one** characteristic of crustaceans.

36. Name the method of preserving food where blocks of ice are put in fresh fish.

37. State any **one** way in which the spread of germs can be prevented.

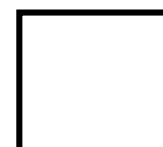
Below is a diagram of part of a human skeleton, use it to answer questions **38** and **39**.



38. Name the part marked **K**.

39. State the function of the above part named in **38** above.

40. Give any **one** way of maintaining the proper working of the digestive system



SECTION B: 60 MARKS

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

41. The diagram below shows a farm tool. Study and use it to answer the questions that follow.



- a) Name the farm tool shown in the diagram above.

- b) Which farm practice is done using the farm tool shown in the diagram above?

- c) State any **one** reason why farmers carry out the farm practice given in (b) above.

- d) Give any **one** way of caring for the farm tool shown in the diagram above.

42. (a) Give any **two** reasons why it is important to keep the body clean.

- i)
(ii)

- b) State any **two** dangers of failing to keep the body clean.

- (i)
(ii)

43. a) State the importance of each of the following parts to a vein.

- i) thin walls.

- ii) wide lumen.

- b) How are arteries able to prevent the back flow of blood yet they have no valves?

- c) Why do arteries have thick walls?



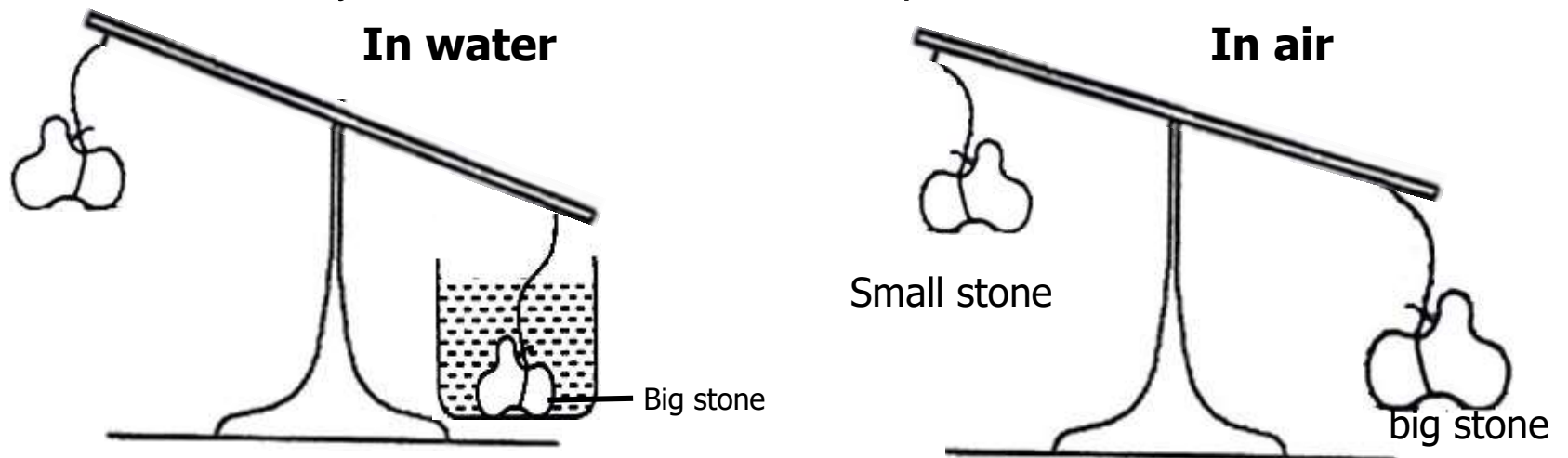
44. a) Name the group of crops that provide multiple harvests.

- b) Write down any **two** examples of crops named in (a) above.

- i)
ii)

- c) State any **one** method used when harvesting the crops written in (a) above.

45. The diagram below shows an experiment carried out by a Primary five class. Study and use it to answer the questions that follow.



a) In which medium does the stone weigh less?

.....

b) Why does the stone weigh less in the medium you have given in (a) above?

.....

c) Name the force that acts on the stone in water according to the above experiment.

.....

d) What does the above experiment show about measurement?

.....

46. a) How does prolonged breast feeding help in birth control?

.....

b) Apart from prolonged breast feeding, mention any **two** other natural methods of family planning.

i)

ii)

c) State any **one** way in which the use of natural methods of family planning

is better than artificial methods.

47.a) State the importance of each of the following items when giving first aid to a casualty;

i) razorblade

.....

ii) gauze

.....

b) Give any **two** qualities of a good First Aider.

i)

ii)

48. a) Which method of making alcohol produces the highest alcohol

concentration?

.....

b) State any **two** ways in a medical worker uses alcohol.

i)

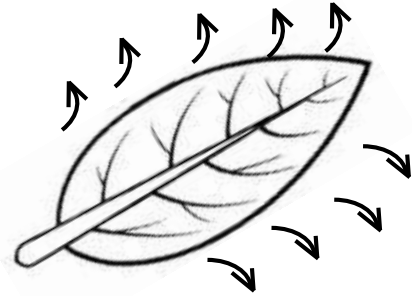
ii)

c) In which way does alcohol affect the digestive system?

.....

.....

49. The diagram below shows a certain plant process. Study and use it to answer the questions that follow.

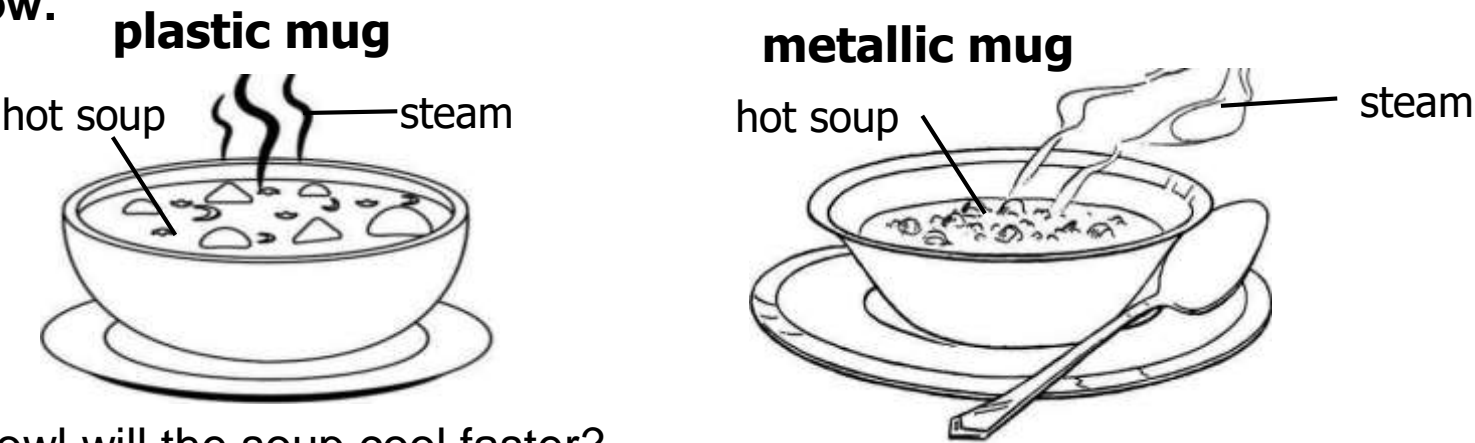


- a) Name the plant process shown the diagram above.
.....
- b) State any **two** factors that affect the rate of the above process.
 - i)
 - ii)
- c) In which **one** way is the above process beneficial to plants?
.....

- 50. a) Give any **two** reasons why it is important to keep the body clean.
 - i)
 - ii)
- b) State any **two** dangers of failing to keep the body clean.
 - i)
 - ii)

- 51. a) State the importance of a cistern tank on a flush toilet.
.....
- b) Why is the cistern tank on a flush toilet raised above the bowl?
.....
- c) In which **two** ways is the water that remains in the bowl of a flush toilet after flushing of an advantage?
 - i)
 - ii)

52. The diagram below shows a plastic bowl and a metallic bowl containing hot soup which was left to cool. Study and use it to answer the questions that follow.



- a) In which bowl will the soup cool faster?
.....
- b) Why would the soup cool faster in the mug you have given in (a) above?
.....
- c) What physical process leads to the cooling of soup in the bowls shown in the above diagrams?
.....
- d) In which state of matter is soup shown in the above bowls?
.....



53. In the table below, list A shows alloys and list B shows the metals used to make each alloy in the wrong order.

List A: Alloy	List B: Metal
Brass	Iron and copper
Bronze	Copper and zinc
Solder	Copper and tin
Steel	Lead and tin

Write the correct combination of metals for each of the alloys in the space provided below.

- i) Brass.....
- ii) Bronze.....
- iii) Solder.....
- iv) Steel.....

54. a) What is respiration?

.....

b). Name the waste material excreted by the lungs.

.....

c) Apart from excreting wastes, give any **one** other function of the lungs.

.....

d) Which disease of the lungs is caused by excessive smoking?

.....

55. Study the illustration below and use it to answer the questions that follow.



a). Give one use of echoes to the above.

.....

b). Mention two importance of the above in the environment.

- i)
- ii)

c). Give one danger of the above in the mammal in the environment.

.....



END