

CLASS : P.7
SUBJECT : INTEGRATED SCIENCE
TIME ALLOWED : 2 HOURS 15 MINUTES

Name _____

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

Read the following instructions carefully.

1. This paper is made up of two Sections: A and B.
2. Section A has 40 questions (40 marks)
3. Section B has 15 questions (60 marks)
4. Attempt all questions. All answers to both sections A and B must be written in the spaces provided.
5. All answers must be written in blue or black ballpoint pen or ink but not in pencil. All work done in pencil, except diagrams, will NOT be marked.
6. Crossing out of answers will lead to loss of marks.
7. Any handwriting that cannot be easily read may lead to loss of marks.
8. Wrong spelling will lead to loss of marks.

FOR EXAMINERS USE ONLY		
QN. NO.	MARK	SIGN
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

SECTION A.

1. Name the element of weather that dries our clothes.

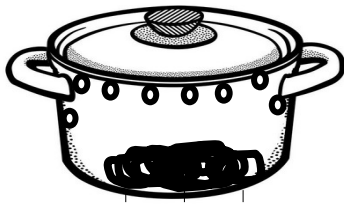
2. Give any one use of plants to people.

3. Why do modern poultry farmers prefer using artificial incubation?

4. Give the use of the neck to a person.

The diagram below shows an experiment carried out by P.3 class. Use it to answer question 5 and

6.



K

Soil
sample

5. Identify the p **Heat** K

6. What does the above experiment show?

7. Write one activity worker bees do outside their hives.

8. Name the parts in humans that vibrate to produce sound when talking.

9. How can you control floods from damaging property in your community?

10. State one importance of the human brain.

11. How are pot holes on roads dangerous to road users?

12. Give the use of cotton wool to first aiders.

13. Write **one** type of energy that can be converted to electric energy.

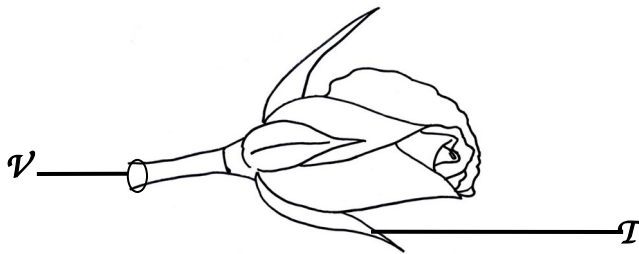
14. State any **one** service provided by a nurse in a school sick bay.

15. Write **one** feature you can use to tell the kind of food eaten by a bird.

16. Write any **one** recommended way of getting land for farming.

17. Why are calves disbudded?

The diagram below shows part of a flower. Use it to answer question 18 and 19.



18. Identify the part labeled **T**.

19. How is part **V** useful to a flower?

20. What is the importance of mineral salts in the human diet?

21. Why should people spread their bedding under sunshine?

22. Why is it dangerous to clear land by burning the vegetation?

23. Name any **one** product made from sisal.

24. Write one disease that attacks both goats and chicken.

25. Draw the blood cell that transports oxygen in the body.



26. Under what condition can an object float on water?

27. What is the danger of lacking a strip cup on a dairy farm?

28. Why should a sty have a cemented floor?

29. Why should containers holding liquid chemicals be kept away from children?

30. Write any one sign of a diseased crop.

31. How can you increase milk production in a Friesian cow?

32. Why do motor bike riders put on helmets?

33. Which PHC element is promoted when water sources are protected?

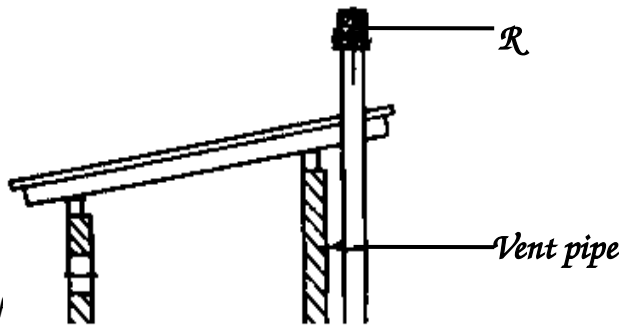
34. Why is it necessary to keep a record of farm activities?

35. Give any one advantage of food taboos in your community.

36. Give any one way in which Nitrogen is added to soil.

37. Give the role of the sun in rain formation.

The diagram below shows part of a VIP latrine.



38. Name the

39. How is the vent pipe useful on a pit latrine?

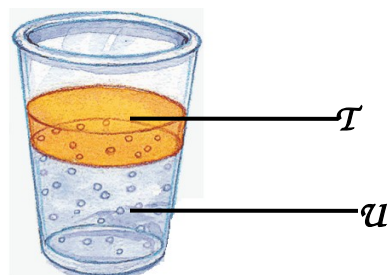
40. Give any one way you can improve on yields in group growing.

SECTION B

41. Complete the table below correctly.

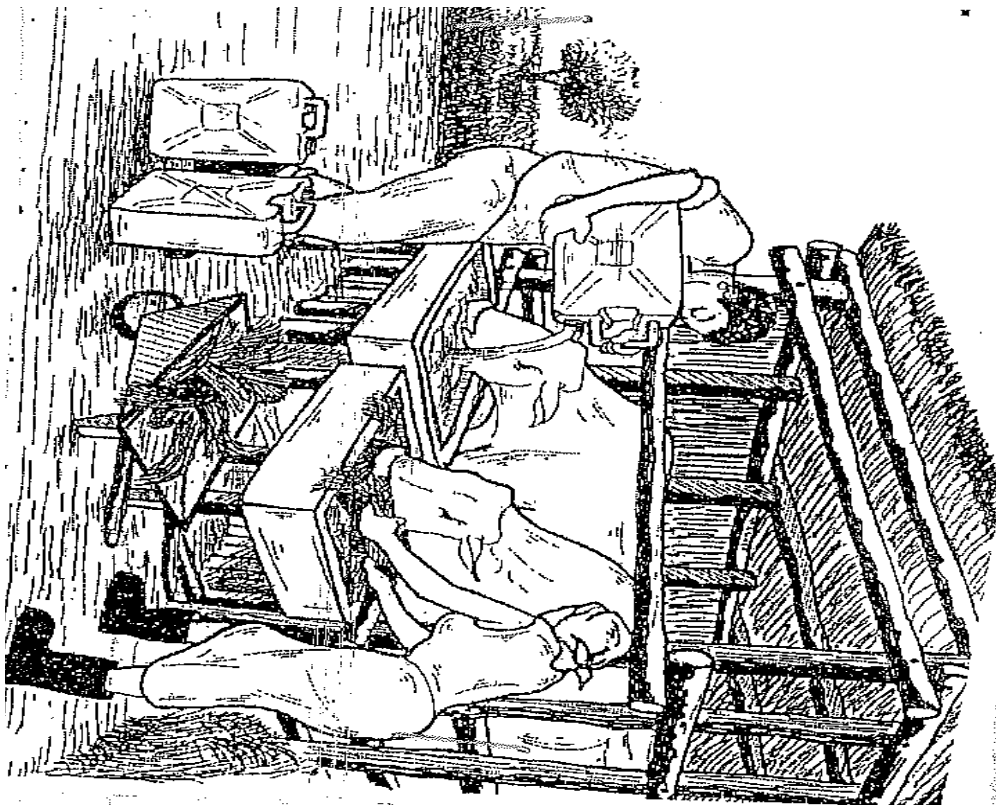
<i>Feature</i>	<i>Dicots</i>	<i>Monocots</i>
<i>Roots</i>	<i>tap roots</i>	_____
<i>Leaf venation</i>	_____	<i>parallel</i>
<i>Food storage</i>	<i>stores in the cotyledon</i>	_____
<i>Germination</i>	_____	<i>Hypogeal</i>

A P.6 child mixed water and cooking oil as shown below.



42. (a) Name the liquid marked **T** and **U**.
- (i) **T** _____
- (ii) **U** _____
- (b) Why didn't liquid **T** and **U** mix together?
- _____
- (c) What method can you use to separate the two liquids?
- _____
43. (a) Besides AIDS, name **two** other diseases spread sexually.
- (i) _____
- (ii) _____
- (b) Give **one** way candidates can protect themselves from contracting AIDS.
- _____
- (c) Write the best way of knowing one's HIV status.
- _____

The picture below shows a method of cattle grazing. Use it to answer question 44.



44. (a) Identify the method shown above.
- _____

(b) Give two advantages of using the above method.

(i) _____

(ii) _____

(C) Write any one disadvantage of the method above.

45. Given the animals below;

weaverbird , bat , snail , grasshopper

(a) Which two organisms can you group together?

(b) Give a reason for your answer in (a) above.

(c) Give one difference between;

(i) *weaverbird and grasshopper*

(ii) *bat and snail*

46. (a) State any two causes of road accidents.

(i) _____

(ii) _____

(b) Give any one danger of road accidents.

(c) How can you manage a road accident?

47. (a) Name one condition under which an iron tool can rust.

(b) Why is rusting grouped under chemical changes?

(c) Give one effect of rusting on metallic tools.

(d) *How does painting prevent rusting of metals?*

48. (a) *Write any **one** plant protein.*

(b) *Why are convalescents given food rich in proteins?*

(c) *Identify any **two** signs a child who lacks enough proteins in the diet can develop.*

(i)

(ii)

49. **Match the terms to their correct meanings.**

A

B

Soil texture - *The ability of soil to allow water to pass through it.*

Soil profile - *The arrangement of particles in soil.*

Soil structure - *The vertical arrangement of soil layers.*

Soil drainage - *The roughness or smoothness of soil*

(a) *Soil texture*

(b) *Soil profile*

(c) *Soil structure*

(d) *Soil drainage*

50. (a) *Why do farmers rear bees?*

(b) *Why does the drone bee die shortly after mating with the queen bee?*

(c) *State any **two** reasons for swarming in bees.*

(i)

(ii)

51. (a) Name any **one** example of each of the following;

(i) useful insects

(ii) harmful insects

(b) How are some insects adapted to flying?

(c) State any **one** way in which people care for insects.

52. (a) Name any **two** intestinal worms in humans.

(i)

(ii)

(b) How can worms be controlled in humans?

(i)

(ii)

53. (a) Outline any **two** uses of blood in your body.

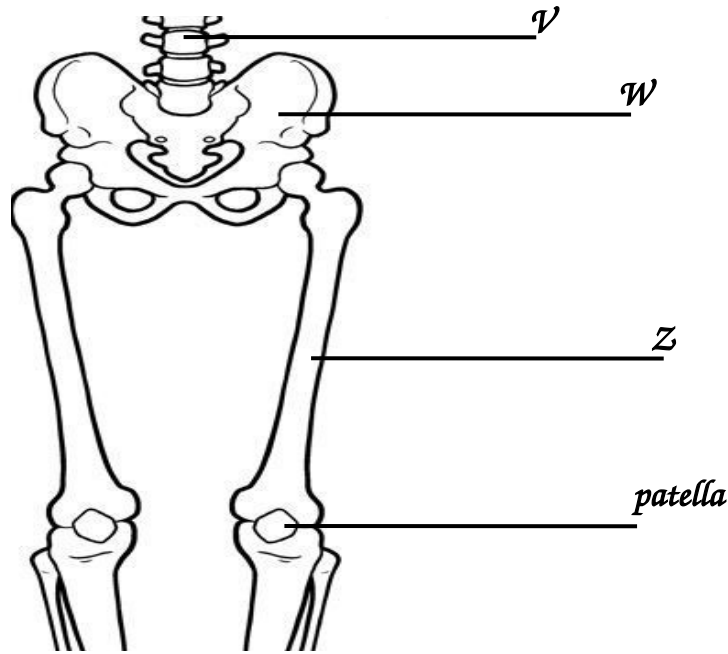
(i)

(ii)

(b) Give **one** difference between veins and arteries

(c) How can you increase the volume of blood in your body?

The diagram below shows part of the human skeleton. Use it to answer question no. 54.



54. (a) Name the parts marked **V** and **W**.

V _____

W _____

(b) Write one injury that can easily occur at point marked Z on the diagram.

(c) State any one importance of the skeleton.

55. (a) What is electricity?

(b) Identify any one source of direct current electricity.

(c) How is electricity produced in Jinja transported to Kampala?

(d) Give one example of materials used in insulating electric wires.
