BROOKSIDE JUNIOR SCHOOL GAYAZA

PRE – **PLE** FINAL ITEM

2026

INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Index No.						Personal No.		

Pupil's Name: .....

Pupil'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 altogether.
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 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.

1. Write any **one** natural source of sound.

   .....

2. How is a safety pin important durind the administration of first aid?

   .....

3. Name the basic need we get from plants.

   .....

4. Write **one** role played by a school environment club in the control of soil erosion in school compound.

   .....

5. State **one** way in which smoking affects an expectant mother.

   .....

6. Give one method of heat transfer in matter.

   .....

7. Besides identification, how is a comb important to a bird?

   .....

8. Mention **one** importance of physical changes in the environment.

   .....

9. Give **one** correct function of the placenta during pregnacy.

   .....

The diagram below shows one of the parts of the alimentary canal. Use it to answer questions **10** and **11**.



10. Identify the system of crop growing shown above**.**

.....

11. Mention the method of waste management that involves use of **M**.

.....

12. Write **one** condition of weather.

.....

13. Give **one** way of improving the conditions for germination in the garden.

.....

14. State the danger of holding back urine for a long time in human beings.

.....

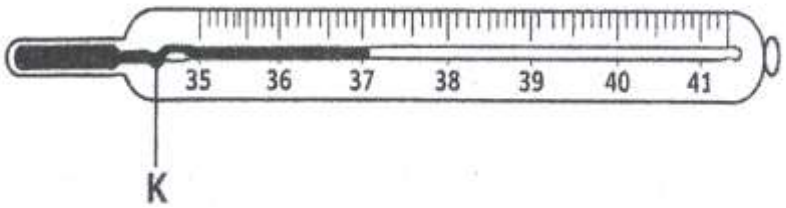
15. Mention **one** process that is involved in making of alcohol.

.....

16. Give **one** way in which debeaking controls egg eating ?

.....

The diagram below shows a type of thermometer commonly used by nurses. Use it to answer the questions **17** and **18** that follow.



17. Identify the type of thermometer shown above

.....

18. Give a reason why part marked **K** is bent.

.....

19. Identify the group of birds that feed on abandoned flesh.

.....

20. State the possible sign of marasmus among infants.

.....

21. Mention **one** factor that farmers should consider before planting stem tubers.

.....

22. State the main cause of fainting among school children.

.....

23. Besides enlargement of sexual organs, write **one** other primary sexual change common in adolescent boys and girls.

.....

24. State the function of platelets in the body.

.....

25. Mention **one** way in which a cobbler uses a magnet.

.....

26. Mention **one** biological way of controlling weeds.

.....

27. Give the correct importance of adding water to compost manure.

.....

28. Give the similarity between yeast and amoeba in terms of reproduction.

.....

29. Write down **one** advantage of hand milking.

.....

30. Name the method of storing sound in which a vinyl record is used.

.....

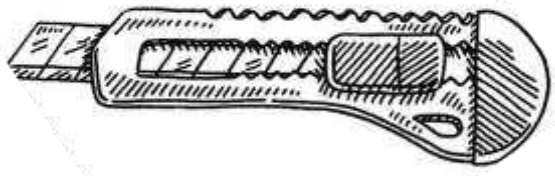
31. How does stale air from the VIP latrine pass through the vent pipe?

.....

32. Name the intestinal worm which feeds by diffusion.

.....

33. Give **one** way how the item below can be of use on a cattle farm.



.....

34. State any **one** substance absorbed in the stomach.

.....

35. Give **one** type of fracture.

.....

36. Name the part of a VIP which may control the spread of trachoma.

.....

37. A P.7 candidate broke down a bar magnet in two equal parts. What happened to each piece of the bar magnet?

.....

38. State the correct reason why the volume of a bpx is measured using V=Length X Width X Height

.....

39. Which vector lays eggs in fast flowing water?

.....

40. Name the deficiency disease prevented by feeding on the food value obtained from fish.

.....

SECTION B: 60 MARKS

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

41. (a) State the energy changes which take place in the following gadgets:

(i) Dynamo .....

(ii) Percolator .....

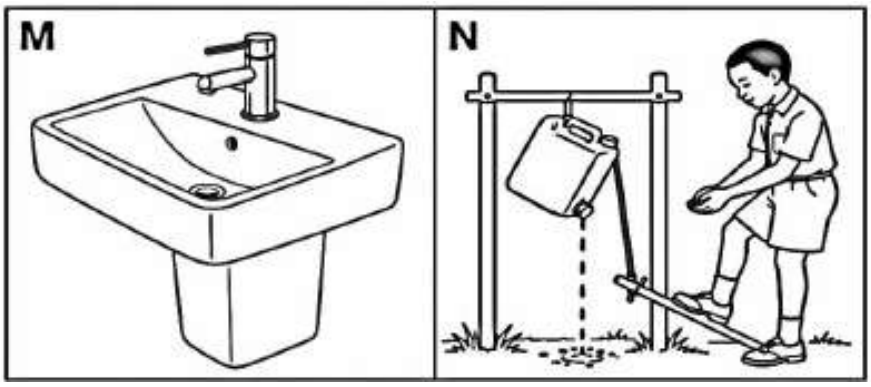
(b) Write any **one** living source of electricity.

.....

(c) How does rural electrification help to conserve natural animal habitats like forests?

.....

42. The diagrams below show **two** different commonly used sanitary items. Study them carefully and answer the questions that follow.



(a) Name the equipment marked with letter **M**.

.....

(b) Why would you encourage the school health committee to rely on item **N**?

.....

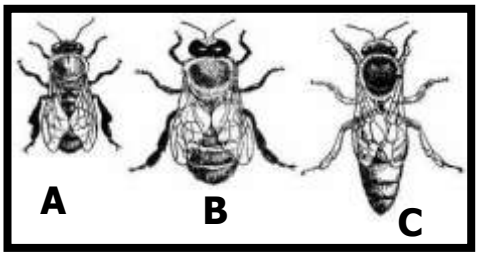
(c) Besides diarrhoea, give **one** example of diarrhoeal disease controlled by proper disposal of faeces.

.....

(d) How does a fly screen in a latrine control diarrhoeal diseases?

.....

43. Below, are different types of honey bees. Use them to answer the questions that follow.



(a) Which of the above bees lays eggs in the hive?

.....

Write any **two** duties of a worker bee in a hive.

(i) .....

(ii) .....

(b) What food value do we obtain from eating honey?

.....

44. The diagram below shows a man playing a musical instrument



(a) Identify which of the two strings **A** and **J** will produce high pitched sound

.....

(b) Give a reason for the above answer in **44 (a)**

.....

(c) Explain how temperature affects the speed of sound produced by the above musical instrument (**02 marks**)

.....

.....

45. (a) To what type of change do we group digestion in man?

.....

(b) Write **two** ways of managing body changes.

(i) .....

(ii) .....

(c) Why is burning referred to as a chemical change?

.....

46. (a) Name the fungus used in fermentation of alcohol?

.....

(b) Give **two** occasions under which fungi are useful to man.

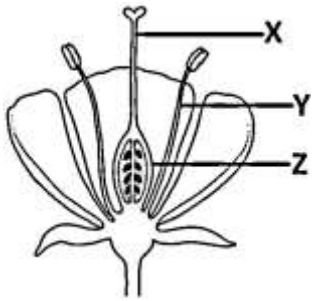
(i) .....

(ii) .....

(c) How does the feeding of mould different from that of cassava?

..... .

47. The diagram below part of a flowering plant. Use it to answer the questions that follow.



(a) Give a reason why some flowers have brightly colored petals.

.....

(b) How important is part marked **Z**?

.....

(c) What happens when pollen from **Y** land on the stigma.

.....

(d) Give **one** example of a plant with the above part.

.....

48. (a) Name **two** farm yard materials used in the production of bio gas.

(i) .....

(ii) .....

(b) State the correct reason why a bio gas digester should be tightly sealed.

.....

(c) How does a farmer benefit from a bio gas plant?

.....

49. (a) Give **two** functions of muscles to the human body.

(i) .....

(ii) .....

(b) Give the main reason why biceps and triceps are called antagonistic muscles.

.....

50. (a) Name the type of soil erosion which:

(i) Creates deep channels in the school compound.

.....

(ii) Removes the thin layer of top soil in the school compound.

.....

(b) Give **two** signs that show a school compound has been affected by erosion.

(i) .....

(ii) .....

51. (a) Write **two** uses of magnets.

(i) .....

(ii) .....

(b) State the property of a magnet which enables a pilot to find direction.

.....

(c) In the space provided below, draw an illustration of magnets to show that "**unlike poles attract**"

52. (a) Why are rabbits given a block of salt to lick?

.....

(b) Okello's rabbits have difficulty in breathing. Which disease are they suffering from?

.....

(c) Mention **two** advantages of keeping rabbits over cattle.

(i) ....
(ii).....

53. (a) Write **two** agents of seed dispersal.

(i) .....

(ii) .....

(b) How are coconut seeds dispersed?

.....

(c) Give **one** way seed dispersal prevents extinction of plant species.

.....

54. (a) Write **two** messages that can be displayed against early pregnancies.

(i) .....

(ii) .....

(b) Mention one life skill that can protect teenage girls from teenage pregnancy

.....

(c) Identify the element of Primary Health Care that is practiced through creating awareness about teenage pregnancies among teenagers.

.....

55. (a) State any **one** of condition necessary for seed germination to take place.

.....

(c) State the importance of the following during seed germination.

i. Air

.....

.....

ii. Warmth

.....

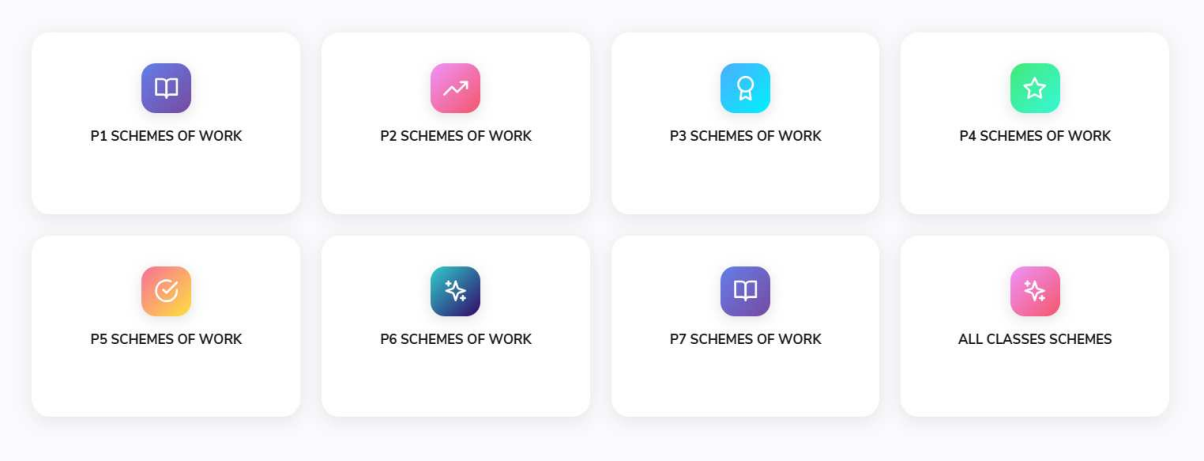
(d) Suggest **one** importance of growing legumes.

.....

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END

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