

# GLOBE EDUCATIONAL CONSULTANCY (GEC)–KAMPALA



## P.5 BEGINNING OF TERM I EXAMINATION 2024 INTEGRATED SCIENCE

*Time Allowed: 2 hours 15 minutes*

**Name:** .....

**Stream:** .....

**School:** .....

**District Name:** .....

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

### **Read the following instructions carefully:**

1. This paper is comprised of two sections A and B. Section A has 40 questions (40 marks). Section B has 15 questions (60 marks).
2. Answer ALL questions in both sections A and B.
3. All answers must be written in the spaces provided in Blue or Black ball point pen or ink. Only diagrams should be drawn in pencil.
4. Unnecessary changes of work and handwriting that cannot easily be read may lead to loss of marks.
5. Do not write anything in the boxes indicated: "FOR EXAMINERS' USE ONLY".

FOR EXAMINERS' USE ONLY	
SECTIONS	MARKS
A (Qns 1 - 40)	
B (Qns 41 - 55)	
TOTAL	

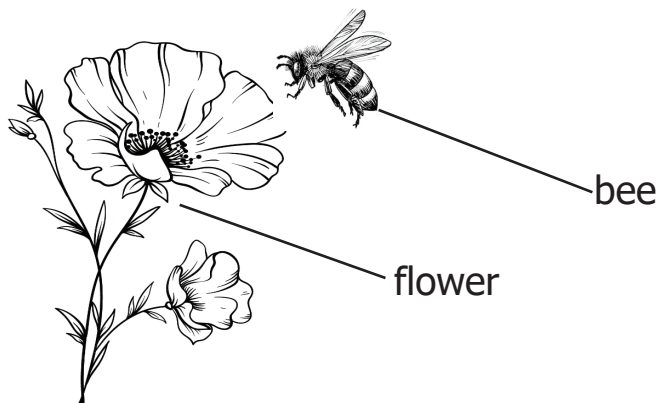
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*Transforming Nursery & Primary Schools into Super-quality Institutions*

## **SECTION A: 40 MARKS**

1. Which body part is affected by trachoma?  
\_\_\_\_\_
2. Where does a sweet potato plant store its food?  
\_\_\_\_\_
3. Name any **one** domestic animal that provides security at home.  
\_\_\_\_\_
4. Why is loam soil the best for crop growing?  
\_\_\_\_\_
5. In which way are spiracles useful to a cockroach?  
\_\_\_\_\_  
\_\_\_\_\_
6. Give **one** raw material used by plants to make starch.  
\_\_\_\_\_
7. Name the mineral salt suitable for a person suffering from goiter.  
\_\_\_\_\_
8. Give any **one** role played by the oral health club at school.  
\_\_\_\_\_
9. Which animal protects itself by changing its body colour?  
\_\_\_\_\_
10. What does letter **S** stand for in AIDS?  
\_\_\_\_\_
11. Identify **one** part of a living house that allows light to enter it.  
\_\_\_\_\_

The diagram below shows a bee visiting a flower. Use it to answer questions that 12 and 13.

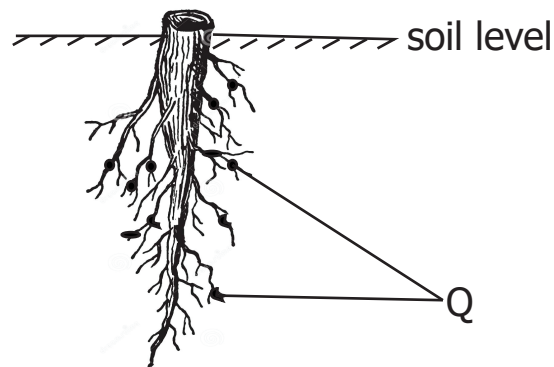


12. Name **one** substance the a bee above collects from a flower.  
\_\_\_\_\_
13. How does the above flower benefit from the bee in the above diagram?  
\_\_\_\_\_  
\_\_\_\_\_
14. Mention **one** characteristic of living things.  
\_\_\_\_\_  
\_\_\_\_\_

15. Identify any **one** crop commonly grown in swamps.
- 
16. Apart from light, give one form of energy produced by the sun.
- 
17. Write down **one** method used to make water safe for drinking.
- 
18. Name the deficiency disease caused by lack of vitamin D in our diet.
- 
19. Why should a P.5 pupil abstain from sex?
- 
20. What is the importance of a stretcher to first aiders?
- 
21. In which way is rusting similar to burning?
- 
22. Write down any **one** example of a crop growing practice.
- 
23. How are onions propagated?
- 
24. Mention any local method used to preserve food.
- 
25. Name **one** element of weather that needs one to use an umbrella.
- 
26. What type of mosquito spreads malaria?
- 
27. Why are people advised to perform regular physical exercises?
- 
28. Give **one** advantage of mulching a banana plantation.
- 
29. In the space provided below, draw a compound leaf.
- 
30. State **one** effect of intestinal worms in the human body.
- 
31. Mention **one** disease that attacks rabbits.
-

32. Where does fertilization in a flower take place?
- 
33. Why should the elderly people be fed on foods rich in proteins?
- 
- 
34. Which structures enable a housefly to spread germs?
- 
35. State **one** reason why a farmer should keep farm records.
- 
- 
36. Mention **one** way of saving electricity at home.
- 
- 

The diagram below is of a root system. Study and use it to answer questions 37 and 38.



37. Name the type of root system drawn above.
- 
38. Give the function of organisms found in part marked Q.
- 
39. Write down one factor that affects the rate of transpiration.
- 
40. Give one danger of keeping the school latrine dirty.
- 
- 

### SECTION B: 60 MARKS

41. a) Give any **two** examples of grain crops commonly grown by people in our community.
- i) \_\_\_\_\_ ii) \_\_\_\_\_
- b) State any **two** methods used to harvest grain crops.
- i) \_\_\_\_\_
- ii) \_\_\_\_\_
42. a) Write down any **two** types of soil.
- i) \_\_\_\_\_ ii) \_\_\_\_\_

c) Name any **one** component of soil that supports the germination of seeds.

c) Give **one** way in which sand soil is useful to people.

43. a) Mention any **two** food values that make up a balanced diet.

i) \_\_\_\_\_ ii) \_\_\_\_\_

b) Write down any **one** source of plant proteins in the environment.

c) Give the reason why Okello, a heavy weight lifter must include alot of carbohydrates in his diet

44. a) What do you understand by the term “dehydration”?

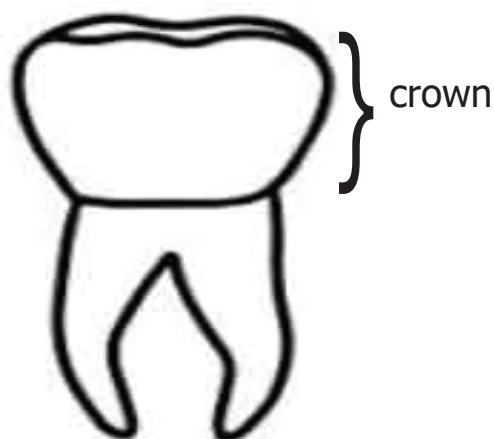
b) Mention any **two** causes of dehydration.

i) \_\_\_\_\_

ii) \_\_\_\_\_

c) Identify any **one** sign of dehydration.

45. The diagram below shows a human tooth. Use it to answer the questions that follow

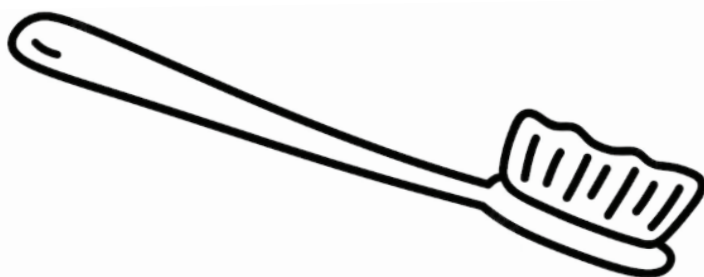


a) What type of tooth is shown above?

b) How is the above tooth useful to an individual?

c) What do we call the hardest part of a tooth?

d) Name the item drawn below used to clean our teeth.



46. a) Give **one** reason why some plants climb others.

\_\_\_\_\_

b) Write down any **two** crops that climb others by twinning.

i) \_\_\_\_\_ ii) \_\_\_\_\_

c) What part of a sugar cane is eaten by people?

47. a) What is crop rotation?

\_\_\_\_\_

b) Give **two** reasons why crop farmers practice crop rotation.

i) \_\_\_\_\_

ii) \_\_\_\_\_

c) Why should legumes be included in crop rotation?

48. a) Which gas occupies 0.03% in the atmosphere?

\_\_\_\_\_

b) Write down any **two** properties of air.

i) \_\_\_\_\_

ii) \_\_\_\_\_

c) Give one way of increasing the percentage of oxygen in the environment.

49. a) What does the term "personal hygiene" mean?

\_\_\_\_\_

b) Name any **one** part of the body that needs proper cleaning.

\_\_\_\_\_

c) Why is it not good to groom our fingernails with teeth?

\_\_\_\_\_

d) Give any **one** danger of poor personal hygiene.

\_\_\_\_\_

50. a) Mention the **two** types of pollination.

i) \_\_\_\_\_

ii) \_\_\_\_\_

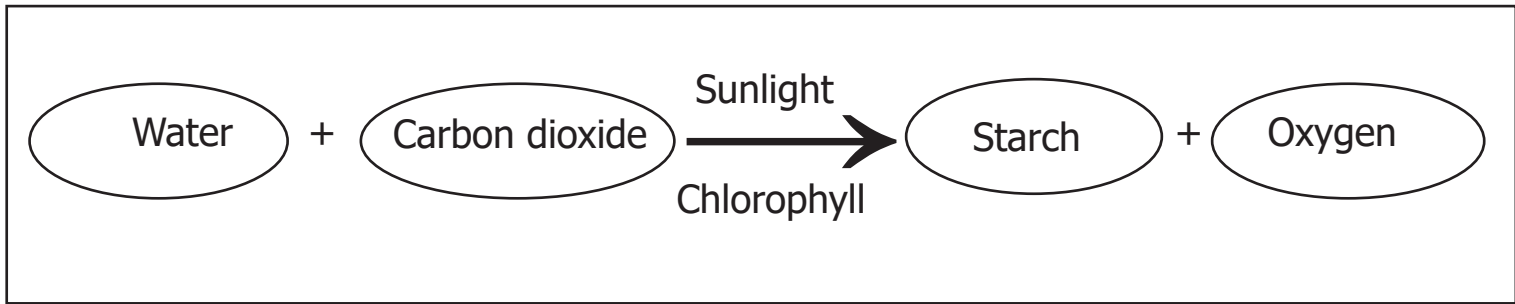
b) How are moths able to pollinate flowers at night?

\_\_\_\_\_

c) What part of a flower attracts insect pollinators?

\_\_\_\_\_

51. Study the illustration below showing a plant process and use it to answer questions that follow.



a) Name the plant process shown in the illustration above.

b) How do people benefit from the above plant process?

c) Why does the above process mainly take place during the day?

d) Give the importance of chlorophyll in the above process.

52. a) Name any **one** common accident at school.

b) Mention **one** dangerous object that can cause injury to pupils at school.

c) State any **two** reasons why first aid is given to a casualty.

i) \_\_\_\_\_

ii) \_\_\_\_\_

53. Match the classes of food in list **A** with their deficiency diseases in list **B**.

LIST A	LIST B
a) Vitamin C	marasmus
b) Iron	night blindness
c) Carbohydrates	scurvy
d) Vitamin A	anaemia

- a) Vitamin C \_\_\_\_\_
- b) Iron \_\_\_\_\_
- c) Carbohydrates \_\_\_\_\_
- d) VitaminA \_\_\_\_\_

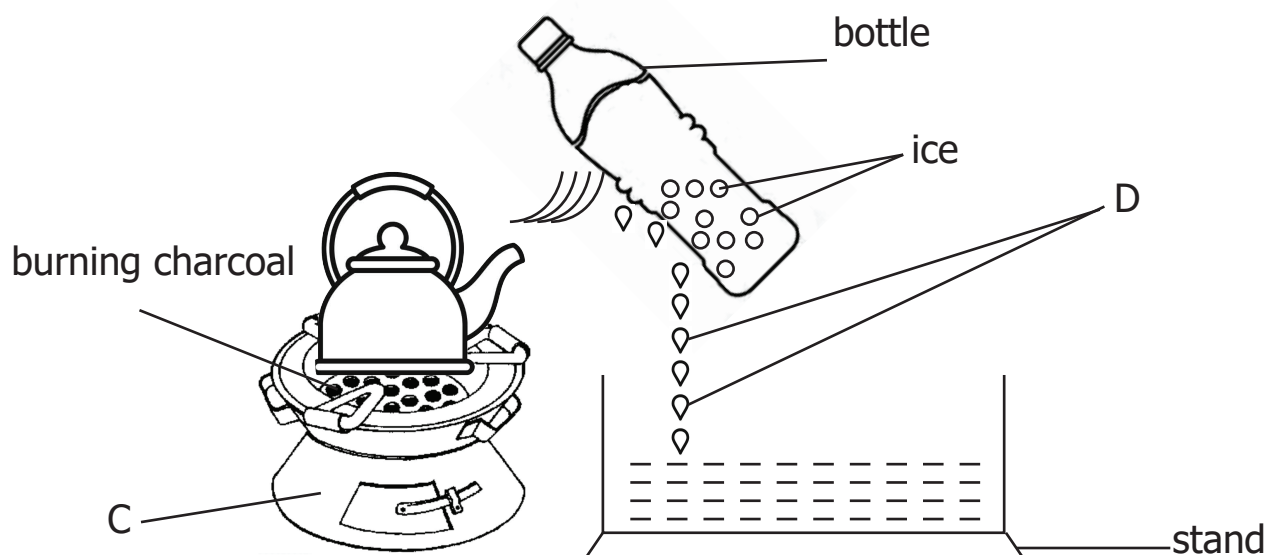
54. a) Mention any **two** places in our community where immunization of children is carried out.

- i) \_\_\_\_\_
- ii) \_\_\_\_\_

b) Write down any two examples of immunisable diseases.

- i) \_\_\_\_\_
- ii) \_\_\_\_\_

55. The diagram below shows an experiment carried out by the P.5 learners at SCOAN Jr. Academy. Study it carefully and use it to answer the questions that follow.



a) Identify the natural process illustrated in the above experiment.

b) How is ice in the bottle useful in the above experiment?

c) What do the parts labeled C and D represent in the natural process mentioned in (a) above?

- C \_\_\_\_\_
- D \_\_\_\_\_