



# GOMBA DISTRICT EXAMINATIONS BOARD

## PRIMARY LEAVING MOCK EXAMINATION 2023

Random No.					Personal No.		

### INTEGRATED SCIENCE

*Time Allowed: 2 hrs 15 minutes*

Candidate's Name: .....

Candidate's Signature : .....

School : . .....

District : .....

Sub-county: .....

### INSTRUCTIONS

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

**Read the following instructions carefully.**

1. This paper has **two** sections: **A** and **B**. Section **A** has 40 questions (**40 Marks**) and Section **B** has 15 questions. (**60 Marks**)
2. Answer **ALL** questions. All answers to both sections **A** and **B** must be written in the spaces provided.
3. **All** answers **must** be written using a **blue** or **black** ball point pen or ink. Any work written in pencil will **not** be marked.
4. Diagrams should be drawn in pencils.
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"

#### FOR EXAMINERS USE ONLY

QN. NO.	MARKS	INITIALS
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
<b>TOTAL</b>		

**Turn Over**



## **SECTION A: (40 MARKS)**

*(Question 1 to 40 carry **one** mark each)*

1. Name the germ that causes malaria.

.....

2. Give **one** source of proteins in the environment.

.....

3. What is photosynthesis?

.....

.....

4. Why is a spider grouped under arthropods?

.....

5. Mention the longest bone in the body.

.....

6. State the main cause of a short circuit.

.....

7. Where does digestion of proteins begin in the body?

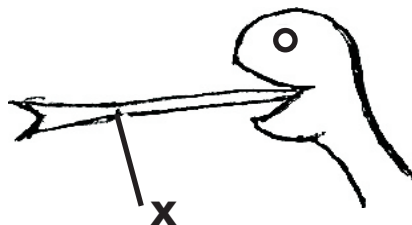
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8. Give a difference between the function of a switch and a fuse.

.....

.....

**Use the diagram below to answer the question that follow.**



9. How useful is part **X** to the organism above?

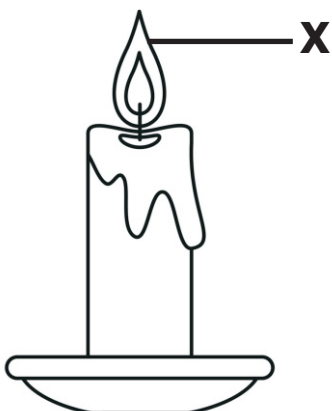
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10. Mention the mineral salt lacking in breast milk.

.....

11. Name the body organ that is responsible for removing sweat from the body.  
.....
12. A bicycle moves . Why is it not grouped under living things?  
.....
13. Give **one** example of manure.  
.....
14. How does bacteria reproduce?  
.....
15. Of what use is the hooked beak to a bird of prey?  
.....
16. Apart from animal kingdom, give one other kingdom of living things.  
.....
17. State **one** way of making water safe for drinking.  
.....
18. Which component of air occupies the largest percentage in the atmosphere?  
.....
19. Give the meaning of the term poultry.  
.....  
.....
20. How are feathers useful to a bird.  
.....

**Below is a diagram showing a burning candle. Use it to answer the questions that follow.**



21. Name **one** form of energy produced at **X**.  
.....

22. Give **one** danger of energy produced at X.

.....

23. Why does a fish die when it has been removed from water?

.....

24. State **one** use of weeds to a farmer.

.....

25. What type of skeleton does a dog have?

.....

26. State **one** example of a food taboo in the community.

.....

27. Name the component of blood that is destroyed by sickle cells.

.....

28. Of what use is the washing of hands with clean water and soap?

.....

29. A leaf falls from a tree . Name the force that enables a leaf to fall from a tree.

.....

**Below is a type of a compound leaf. Use it to answer the questions that follow.**



30. Name the type of compound leaf shown above.

.....

31. Mention the form of energy produced by a working drycell.

.....

32. State **one** adaptation of capillaries to their function.

.....

33. Where are images formed in a pinhole camera?

.....

34. Under what group of flowering plants does a maize plant belong?

.....

35. A stone has a mass of 8g and a volume of 4cc. Calculate its density.

36. Why is rainfall measured in millimeters?

.....

37. Mention the type bee that is commonly seen around flowers.

.....

38. How useful are earthworms in the soil?

.....

39. Give an example of a natural magnet.

.....

40. Why are plants grouped under renewable resources?

.....

### **SECTION B: (60 MARKS)**

*(Question 41 to 55 carry **four** marks each)*

41. a) What is soil erosion?

.....

.....

b) Mention the living agent of soil erosion you know.

.....

c) State **one** cause of soil erosion.

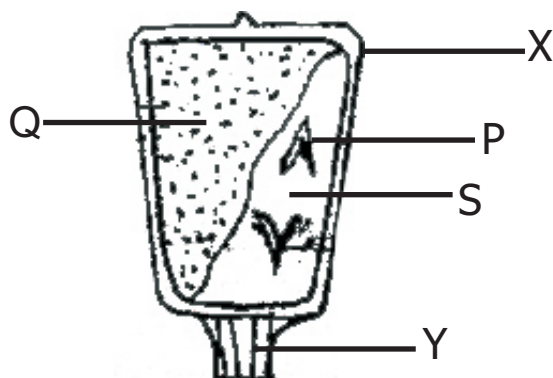
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d) How can a farmer control soil erosion in the garden?

.....



42. The diagram below shows part of a maize grain. Use it to answer the questions that follow.



- a) Name the part marked with letter **Q**.

.....

- b) What plant system does **P** develop into?

.....

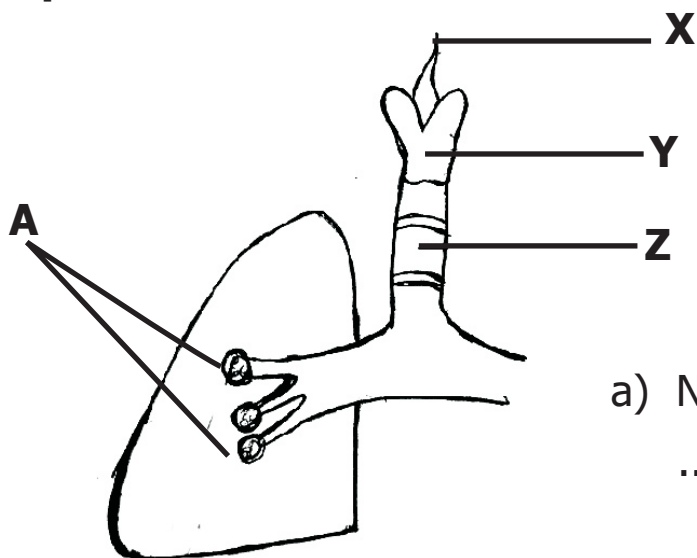
- c) State the use of part **S**.

.....

- d) What type of germination does a maize grain undergo?

.....

- 43 The diagram below shows part of the lungs. Use it to answer the questions that follow.



- a) Name part labeled **Y**.

.....

- b) State the use of part **X**.

.....

- c) Why is part **Z** able to remain open at all times?

.....

44. **Below is a flow chart. Use it to answer the questions that follow.**



a) What scientific term is given to the flow of chart above?

.....

b) Why is grass called a producer?

.....

c) Where does grass get its energy from?

.....

d) State the role played by bacteria in the flow chart above.

.....

45. a) What is a resource?

.....

.....

b) Give **one** example of a non living resource that is renewable.

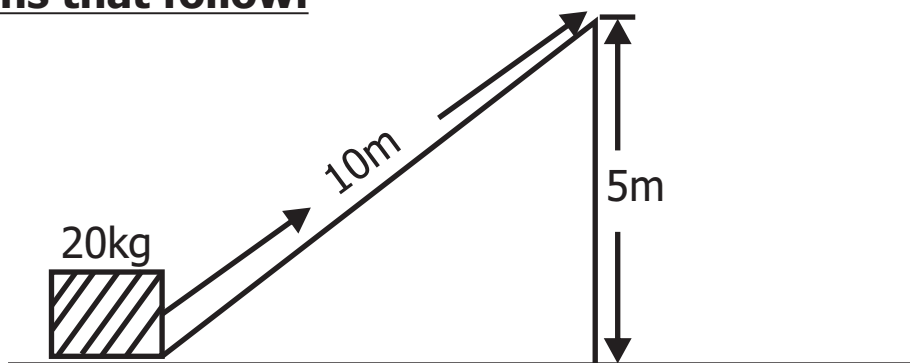
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c) Give any **two** uses plants as energy resources.

i) .....

ii) .....

46. **The diagram below is of a simple machine. Use it to answer the questions that follow.**



a) Identify the simple machine shown above.

.....

b) Through which distance does the;

i) Load move .....

ii) Effort move .....

c) What can be done to use less effort while using the machine above?

.....

47. a) What are essential drugs?

.....

.....

b) State **two** characteristics of essential drugs.

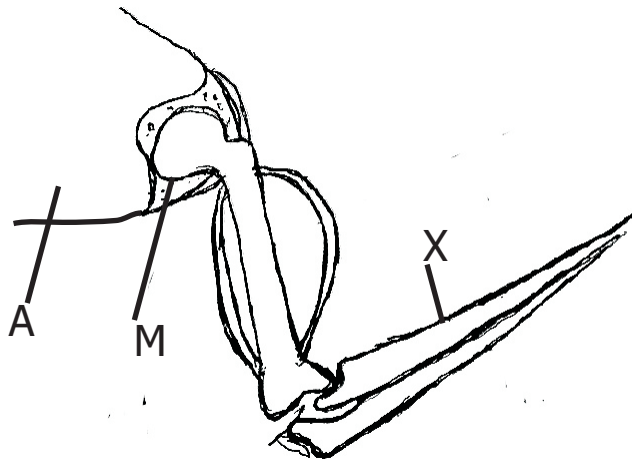
(i) .....

(ii) .....

c) Give **one** danger of buying drugs from shops.

.....

48. The diagram below shows part of a skeleton. Use it to answer the questions



a) Name bone **A**.

.....

b) Give a difference between the movement of joint **M** from joint **Z**.

.....

.....

c) With an arrow and letter **P**, indicate on the diagram above the position of humerus.

d) In which way is part **M** similar to oil in cars?

.....

49. a) Give **two** accidents that commonly take place in our homes.

(i) .....

(ii) .....

b) Give **two** reasons why people give first aid.

(i) .....

(ii) .....





50. a) What is personal hygiene?

.....  
.....

b) How useful are the following in the promotion of personal hygiene?

i) Sponge

.....

ii) Clean water

.....

c) State **one** danger of poor personal hygiene.

.....

51. a) What is apiculture?

.....  
.....

b) Give **two** reasons why people keep bees.

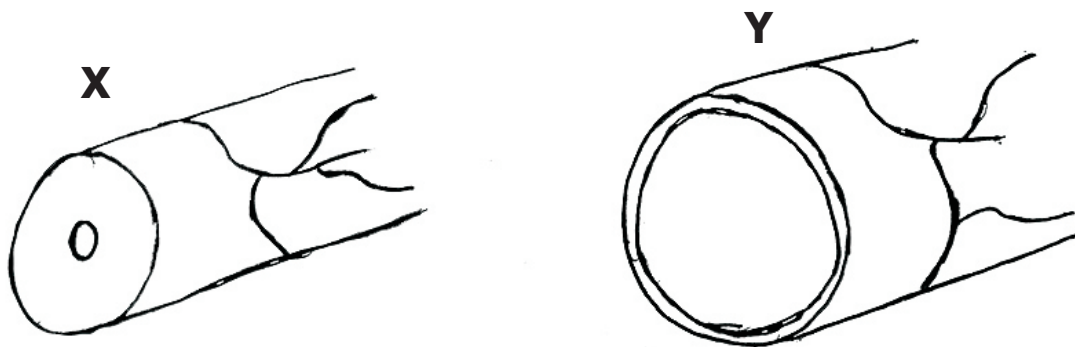
(i) .....

(ii) .....

c) Name the special food the queen bee is feed on.

.....

52. The diagram below shows blood vessels. Use it to answer the questions that follow.



a) Identify blood vessels X and Y .

(i) **X** .....

(ii) **Y** .....

b) Give **one** structural difference between vessel **X** and blood vessel **Y**.

.....

.....

c) Mention the structure present in blood vessel **Y** that present back flow of blood.

.....

53. Match the type of electricity in A and the source in B.

List A

- i) Nuclear electricity
- ii) Hydro electricity
- iii) Solar electricity
- iv) Thermal electricity

List B

- The sun
- Uranium
- burning fossil fuels
- fast flowing water.

- i) Nuclear electricity .....
- ii) Hydro electricity .....
- iii) Solar electricity .....
- iv) Thermal electricity .....

54.a) What is seed dispersal?

.....  
.....

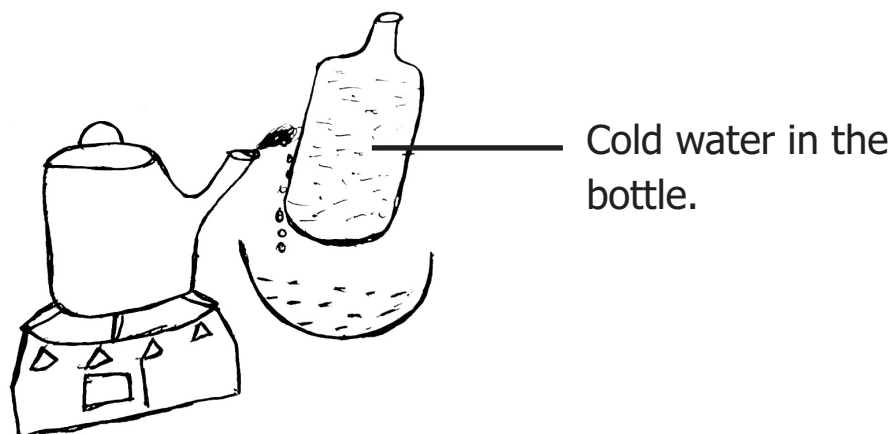
b) State any two types of seed dispersal.

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

c) Give one characteristic of the seeds dispersed by animals.

.....

55. Below is a natural process taking place in the diagram. Use it to answer the questions that follow.



a) Identify the natural process taking place in the diagram.

.....

b) What do the following represent in the diagram above.

- (i) **A** .....
- (ii) **B** .....

c) Mention the source of heat in the diagram above.

.....

**END**

