

# **BUSIA DISTRICT ACADEMIC BOARD**

## **PRIMARY SEVEN MOCK EXAMINATION**

**2023  
INTEGRATED SCIENCE**

**Time allowed : 2hours 15 minutes**

Random No.						Personal No.	

Student 's Name .....

Student 's signature .....

School Random No: .....

District Number .....

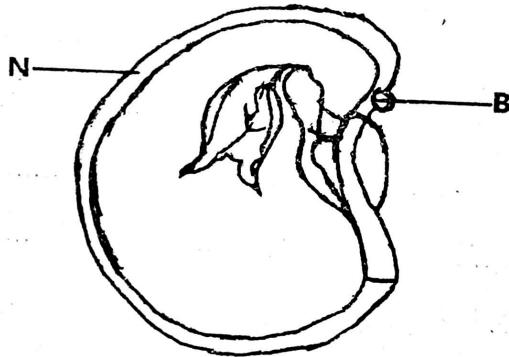
Read the following instructions carefully:

1. Do not write your **school or district name** anywhere on this paper.
2. This paper has two sections: **A** and **B**. Section **A** has **40** questions and Section **B** has **15** questions. The paper has **08** printed pages altogether.
3. Answer all questions. All the working for both provided sections **A** and **B** must be shown in the spaces
4. All working must be done using a **blue or black ball point pen or ink**. Any work done in pencil will not be marked.
5. Unnecessary changes in your work and handwriting that cannot easily be read 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		
<b>TOTAL</b>		

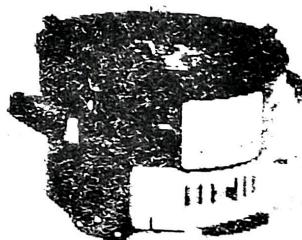
## **SECTION A (40 MARKS)**

1. Name the parts of a plant used for attracting worker bees.  
.....
2. Which health habit is mostly practiced by pupils in the morning to prevent tooth decay?  
.....
3. Why do solids as one of the states of matter have a definite shape?  
.....
4. Give any one way how the oscicles are important in the process of hearing.  
.....
5. How do farmers conserve soil moisture as a component of soil?  
.....
6. **The diagram below shows a bean seed. Use it to answer questions 7 and 8**



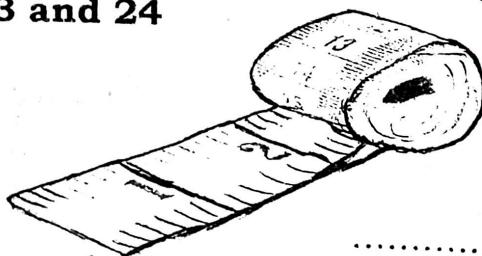
7. State the function of part **B** during the process of germination  
.....
8. Give one example of a seed which undergoes a similar type of germination as the one above  
.....
9. How helpful are pelvic girdles of the endo skeleton?  
.....
10. Which element of primary health care (PHC) is practiced by pregnant mothers only.  
.....
11. Name the root -tuber which is eaten to minimize the problems of poor night vision.  
.....
12. How do people like Thieves benefit from formation of shadows by opaque objects?  
.....
13. Mention the component of environment which is needed to cause evaporation in rain formation.  
.....

14. Name any one indicator of poor sanitation at school.  
.....
15. How does the difference in the size of an object determine pitch of sound produced?  
.....
16. Give one way of maintaining the proper working of one's brain  
.....
17. Which energy resource from the environment can be conserved by the tool given below



18. Identify the poultry disease with the following symptoms: Difficulty in breathing, sores in the mouth and shedding of feathers  
.....
19. State one way how floods affect food production in the environment.  
.....
20. Which method of controlling malaria is practiced by rearing of fish in water ponds around our homes?  
.....
21. Give one reptile which has both exoskeleton and endo skeleton.  
.....
22. How does smoking control the bad smell from an ordinary latrine?  
.....

**The diagram below is of a garden tool. Use it to answer question 23 and 24**



23. State the function of the garden tool above  
.....
24. Identify the method of crop planting that requires the use of the above garden tool.  
.....

25. **PIASCY** is one of the common messages in the school environment.  
What does letter I stand for?  
.....  
.....
26. Which physical change of state requires heat loss?  
.....
27. Mention one condition required for the seed embryo to develop into a seedling.  
.....
28. Give one example of an exotic beef cattle.  
.....
29. How is the movement of a frog different from that of a snake?  
.....
30. Mention any one way how docking in sheep rearing is important?  
.....
31. State one way how Tonde's habit of smoking indirectly affect the health of his family members?  
.....
32. Find the density of a body whose mass is 69gm and volume 3cc  
.....
33. Name the process that helps in the wave -like movement of food along the alimentary canal  
.....
34. Give one way how magnets are used in freezers and refrigerators.  
.....
35. Identify the producer from the list below.  
Bacteria, insects, green plants, cat and birds.  
.....
36. How are rollers and ball bearings useful in machines?  
.....
37. Mention one disease in rabbits that can also affect human beings.  
.....
38. Name the process in plants which is the same as sweating in human beings.  
.....
39. How is a burn different from a scald?  
.....
40. State one way how cockroaches spread germs to people.  
.....

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

41. (a) State the function of light to the human eye.

- (b) Match correctly the parts of the human eye which have the same function with those of the lens camera

**A**

Parts of the human eye

Pupil

Iris

Eyelid

(i) Pupil

(ii) Iris

(iii) Eyelid

**B**

parts of lens camera

diaphragm

shutter

aperture

42. (a) What is weaning?

- (b) State any one reason why weaning is recommended at six months of age

- (c) Give any two advantages of breast feeding to a baby.

(i).....

(ii).....

43. Name the part of the human heart which divides

- (a) It into two equal parts.

- (b) How do the white blood cells control disease causing germs?

- (c) State one way the aorta is similar to the pulmonary vein in their functions.

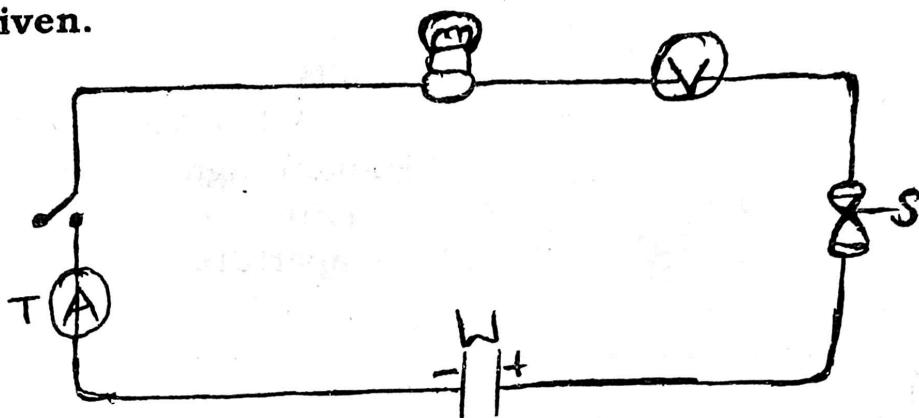
- (d) State one disease which attacks /affects the human heart.

44. (a) Which factor is considered when placing a rain gauge in any place?

- (b) Name the instrument used to measure the amount of humidity in the atmosphere?

- (c) Identify the type of weather which makes school pupils to wear sweaters.

45. The diagram below is of an electric circuit. use it to answer the questions given.



- a. Name the parts marked S and T

S .....

T .....

- b. State the energy change which takes place at part W when the circuit is complete

- c. Use an arrow to show the flow of electric current

46. The table below shows the vaccines and the body sites for immunization. use it to answer the questions that follow

(i)	Pentavalent vaccine	.....
(ii)	.....	Right upper arm
(iii)	Tetanus toxoid vaccine	.....
(iv)	.....	Left upper arm

47. Given the following groups of animals use them to answer the questions below

Crab	Rat	Tilapia	Scorpion
C	B	A	D

- a. Which two animals can be grouped together?

.....

- b. State any one characteristic of organisms in group D

.....

- c. Which animal in the table above harbours the disease vectors?

.....

- d. How is a crab similar to a tilapia

.....

48. (a) Give the meaning of tropism.

.....

(b) Identify any two types of tropism.

i.....

ii.....

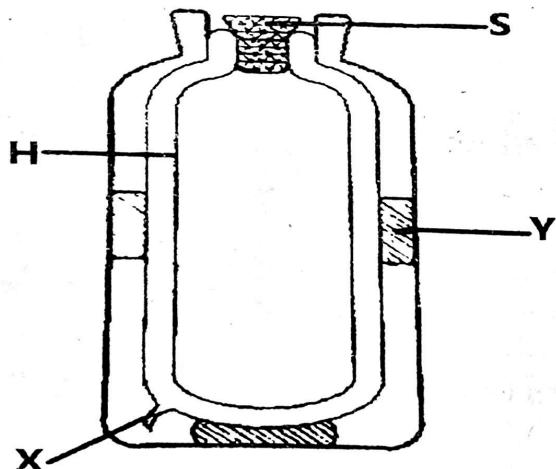
(c) Name the process that enables plants to absorb water and mineral salts from the soil.

49. Define magnetism.

(b) Mention any two methods of making magnets

(c) Identify one device that uses electro magnets.

50. Study the diagram below and answer the questions that follow



a. Name the parts marked **X** and **Y**

**X** .....

**Y** .....

b. Give the function of the part marked **H**

.....

c. What part prevents heat loss or heat gain by radiation?

.....

51. (a) How can a primary one pupil help a sister who is near drowning

.....

(b) Name any one place at home where near drowning can occur.

(c) Give any two ways how a family can prevent or control near drowning in a community.

- i.....  
ii.....

52. (a) Mention any two ways of soil conservation.

- i.....  
ii.....

(b) How is soil profile different from soil texture?

(c) Give one way how polythene bags affect soil fertility.

3. (a) In which class of lever does a bottle opener belong?

(b) State the law of levers

(c) Calculate the mechanical advantage of a single movable pulley whose load is 80kgf and effort 40kgf

(d) Which type of pulley is used for hoisting flags at school?

4. What are energy resources?

(b) Identify any two examples of non-renewable resources in the environment.

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

(c) How do we call an alloy of copper and zinc?

55. Give four steps taken for making Oral Rehydration solution locally at home.

- (i).....  
(ii).....  
(iii).....  
(iv).....