



# BUDDO JUNIOR SCHOOL

P.7 PRE PLE SET THREE / TEN

2024

INTEGRATED SCIENCE

*Time Allowed: 2 hours 15 minutes*

Index No.	EMIS 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		

## SECTION A: 40 MARKS

Questions **1** to **40** carry **one** mark each.

1. Name the type cloud which is the furthest in the sky.

.....

2. Mention any **one** way of preventing diseases without using drugs.

.....

Give a reason for mulching banana plantations.

.....

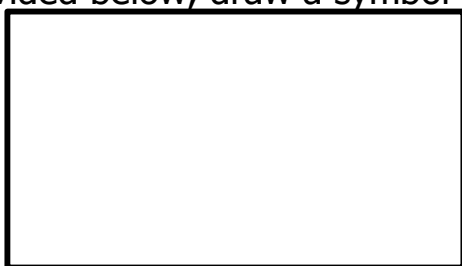
3. Why is a lion not grouped under domestic animals?

.....

4. Write PHC in full.

.....

5. In the space provided below, draw a symbol of a fuse



6. Which nutritional deficiency disease is likely to attack a child who lacks proteins in his body?

.....

7. Give any **one** function of the liver to man.

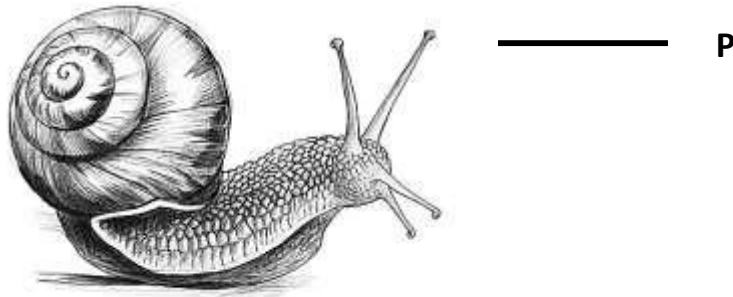
.....

8. How does a chameleon protect itself from enemies?

.....



Study the diagram and answer the questions that follow.



9. Identify any **one** importance of part marked with letter **P**

.....

10. Give any **one** way of controlling mosquitoes at home.

.....

11. How are feathers useful to birds?

.....

12. State any **one** importance of seed dispersal in the environment

.....

13. Define the term germination.

.....

14. How are incisor teeth adapted to their function?

.....

15. What force is reduced by making rough surface smooth?

.....

16. How are valves important in blood circulation?

.....

17. Name the method that turns sugar added to water into alcohol.

.....

18. How can polio be prevented in infants?  
.....
19. Mention **one** way of increasing the strength of an electromagnet.  
.....
20. Point out any **one** importance of demography in a country like Uganda.  
.....
21. Cite any **one** law of reflection of light.  
.....
22. State any **one** way of preventing rusting of metals.  
.....
23. Mention **one** way of controlling ticks in goats.  
.....
24. Give **one** way how a farmer can increase the fertility of the soil.  
.....

Study the diagram below and answer the question that follows.



25. Which farm practice is shown in the diagram above?  
.....

26. Suggest **one** way of caring for the human teeth.

.....

27. How is the skull an important part in the human body?

.....

28. What is the role of a queen bee in a hive?

.....

29. Name the type of leaf venation shown in the diagram below.



.....

30. Why do bees visit flowers?

.....

31. How is the propagation of bananas different from that of onions?

.....

32. State any **one** way of promoting proper hygiene of a home.

.....

33. Why is water called matter?

.....

34. How do hook worms enter our bodies?

.....

35. How important is the garden tool below to a farmer?



.....

36. Identify **one** importance of shadows to people.

.....

37. Which disease in human beings is caused by bacterium known as shigella?

.....

38. Write down **one** way animals depend on plants.

.....

39. Give any **one** example of wheel and axle as used in machines.

.....

**SECTION B: 60 MARKS**

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

40. (a) What are vertebrates?

.....

(b) Mention any **two** vertebrate animals that use lungs for breathing.

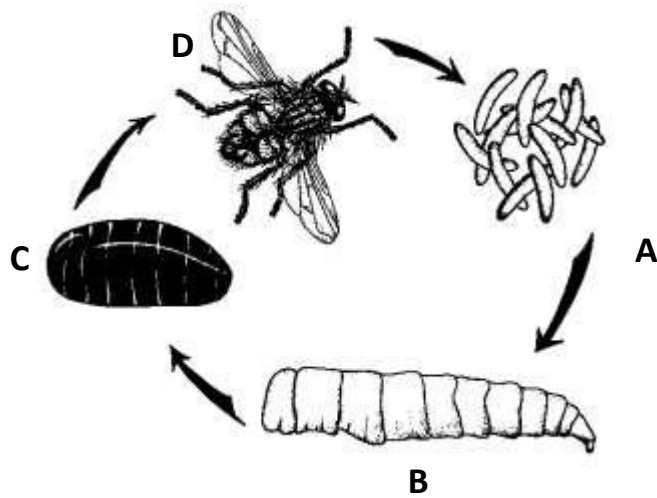
(i).....

(ii).....

(c) How important is blubber to sea mammals?

.....

41. The diagram below shows the life cycle of a housefly. Use it to answer questions that follow.



(a) Identify the type of life cycle shown in the diagram above.

.....

(b) Name the stage marked with letter A.

.....

(c) How is stage marked with letter D dangerous to human life

.....

(d) What name is given to the larva in the life cycle of a housefly?

.....

42. (a) What do we call the form of energy that enables us to see objects around us?

.....

(b) Name any **two** natural sources of light energy in the environment

(i).....

(ii).....

(c) Give any **one** way how light is useful in our daily life.

.....

43. (a) Mention any **two** examples of energy resources in the environment



(i).....

(ii).....

44. (b) Give any **one** practice which pollutes air in the environment.

.....

- (c) How does the use of hydroelectricity useful in the conservation of the environment?

.....

45. Breathing is the inhaling and exhaling of air. Study the table below and complete it correctly.

Composition of air	Inhaled air by percentage	Exhaled air by percentage
Carbon dioxide		4%
	21%	16%
Nitrogen	78%	
Rare gases		0.97%

46. (a) Give a reason why we give first aid to casualties.

.....

- (b) State any **two** materials used in giving first aid.

(i).....

(ii).....

- (c) State **one** quality of a good first aider.

.....

47. (a) Name any **one** dangerous substance found in tobacco.

.....

(b) Mention **two** types of smoking.

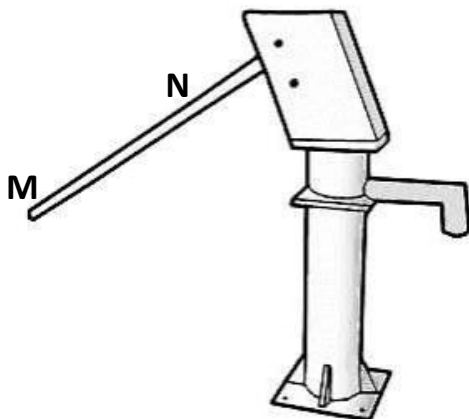
(i).....

(ii).....

(c) Give any **one** effect of smoking to the health of a pregnant woman.

.....

48. The diagram below shows a simple machine, use it to answer questions that follow.



(a) Name the simple machine shown above.

.....

(b) Identify the class of lever to which the above machine belongs.

.....

(c) Which of the following letters on the machine above shows the position where less effort can be applied to do work?

.....

(d) Write the energy resource obtained by the use of the above machine

.....

49. (a) Give the main reason for keeping the following types of cattle.

(i) Dairy cattle .....

(ii) Beef cattle .....

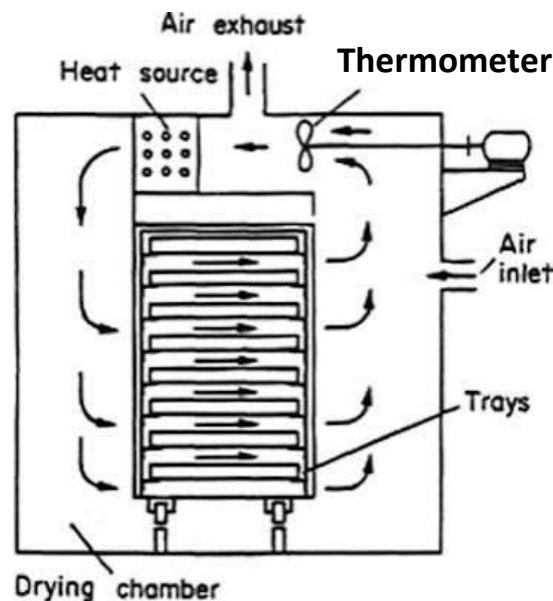
(b) Identify any **one** disease of cattle.

.....

(c) How is a lactometer important to a cattle farmer?

.....

50. Below is a diagram of a structure on a poultry farm. Use it to answer the questions that follow.



(a) What name is given to the above structure?

.....

(b) State the function of the thermometer in the structure above.

.....

(c) Why is the above structure not used by most farmers in Uganda?

.....

(d) State any **one** reason why an egg may fail to hatch under favourable conditions. ....

51. (a) A stone has a mass of 30 g. Find its volume if its density is 10 g/cc. (02marks)

(b) Identify **one** method used in finding the volume irregular objects like a stone.

.....

(c) Give a reason why some objects float on water.

.....

52. Below is a diagram of a fungus. Use it to answer the questions that follow.



(a) Name the fungus shown above

.....

(b) How does the fungus above reproduce?

.....

(c) Why can't the fungus above make its own food?

.....

(d) How is the above fungus useful to man?

.....

**Turn Over**

53. (a) Define the following terms as used in sound.
- (i) Volume .....
- (ii) Echo. ....
- (b) Which body organ uses sound as a form of energy to perform its function?
- .....
- (c) Mention any **one** natural source of sound in the environment.
- .....
54. (a) Give any **two** factors which affect the rate of transpiration.
- (i) .....(ii).....
- (b) How important is transpiration to plants?
- .....
- (c) Name the process in animals that similar to transpiration
- .....
55. Match the following correctly.
- | List A | List B         |
|--------|----------------|
| Skin   | Bile pigments  |
| Kidney | Sweat          |
| Lungs  | Urine          |
| Liver  | carbon dioxide |
- Skin** .....
- Kidney**.....
- Lungs**.....
- Liver** .....