

# LIGHT ACADEMY NUR & PRI SCHOOL

## PRE MOCK SET VI

### INTEGRATED SCIENCE FOR P.7

*Time allowed: 2 hours 15 minutes*

Name: .....

Stream : .....

**Read the following instructions carefully:**

1. The paper has two sections: **A** and **B**.
2. Section **A** has 40 questions (40 marks)
3. Section **B** has 15 questions (60 marks).
4. Answer **all** questions. All answers to both Sections **A** and **B** must be written in the Spaces provided.
5. All answers must be written using a blue or black ball point pen or ink. Diagrams should be drawn in pencil.
6. Unnecessary alteration of work may lead to loss of marks.
7. Any handwriting that cannot easily be read may lead to loss of marks.
8. Do not fill anything in the boxes. They are for examiners' use.

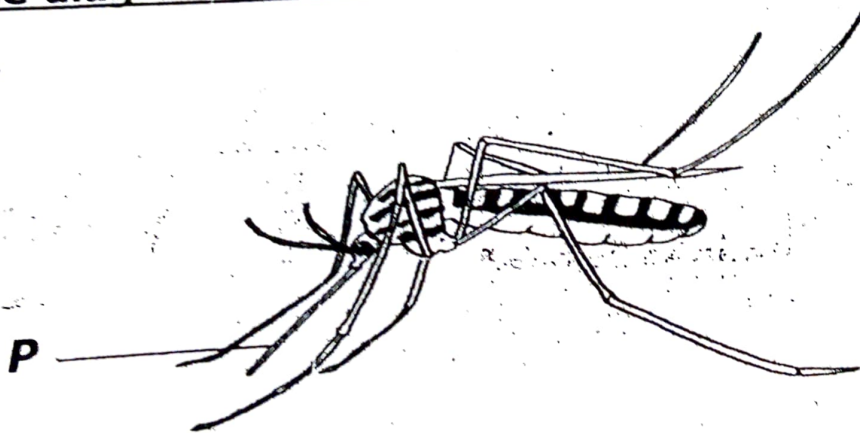
FOR EXAMINERS' USE ONLY		
Qn No.	MARKS	SIGN.
1 - 10		
11-20		
21-30		
31- 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
<b>TOTAL</b>		

**SECTION A (40 MARKS)**

1. Write down any **one** component of soil.  
.....
2. Name **one** example of a long bone in the human skeleton.  
.....
3. State **one** reason why it is bad to wear wet shoes.  
.....
4. Give **one** reason why a health parade is important in a school.  
.....
5. Which group of plants has root nodules in their root system?  
.....
6. Name any **one** insect that pollinates flowers at night.  
.....
7. Apart from having jointed legs, state one other characteristic of arthropods.  
.....
8. Mention any **one** disease that affects the kidney after one eats raw stuff often.  
.....
9. Give a reason why the filament of an electric bulb is soiled.  
.....
10. Why is water important in the process of making composite manure?  
.....

**The diagram below is of a culex mosquito. Use it to answer question**

**13.**



1. Name part labeled **P** on the above vector.  
.....

12. Which body system is affected by the germ spread by the above vector?  
.....
13. In which one way can the disease spread by the above vector be controlled in environment?  
.....
14. What state of matter is water at  $0^{\circ}\text{C}$ ?  
.....
15. Give **one** structural difference between arteries and veins.  
.....
16. Name the part of the human body where the ears are attached.  
.....
17. How does evaporation affect the temperature of a substance?  
.....
18. State any **one** reason why farmers practice cross breeding on their farms.  
.....
19. State the immediate effect of fertilization in both plants and animals.  
.....

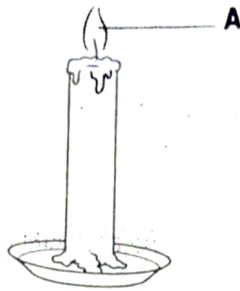
Below is a list of different organisms. Use it to answer question 20.

**snail , housefly , antelope , toad**

20. Which **one** of the above organisms is an arthropod?  
.....
21. Give **one** reason why people drain swamps.  
.....
22. How does the liver make use of the dead red blood cells?  
.....
23. Name **one** disease that affects the udder and teats in cattle.  
.....
24. State **one** law of reflection.  
.....

Study the diagram of a candle below and use it to answer questions

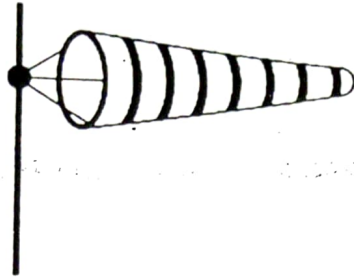
26.



25. Name **one** form of energy produced at **A**.  
.....
26. Which part of air helps the candle above to burn?  
.....
27. How does the skin reduce excessive heat in the body?  
.....
28. Why are ventilators placed on top of windows or doors in a house?  
.....
29. In which way is the retina of the human eye similar to the film of a camera?  
.....
30. Give **one** reason why medical workers need to prescribe drugs before use of patient  
.....
31. Mention any **one** item one can use to maintain one's body clean.  
.....
32. Why is rainfall measured in millimeters?  
.....
33. How is sound similar to light?  
.....
34. What energy change takes place in a dry cell when the circuit is complete?  
.....
35. State the best method a primary school going girl can use to avoid early pregnancy  
.....
36. Give **one** factor that affects the rate of transpiration in plants.  
.....



The diagram below is of an instrument found at airports and air fields. Use to answer question 37.



37. How is the above instrument useful to a pilot?  
.....
38. What is weathering?  
.....
39. Give any **one** way of controlling food deficiency diseases in a family.  
.....
40. Give any **one** advantage of using a single movable pulley to do work.  
.....

### SECTION B (60 MARKS)

41. (a) Give any **two** causes of sickness at home.  
(i) .....  
(ii) .....
- (b) Suggest **two** measures parents can take to control sickness in their children at home.  
(i) .....  
(ii) .....
42. (a) Why is piggery an important project to farmers in Uganda today?  
.....
- (b) Mention any **two** factors farmers consider when selecting piglets to rear.  
(i) .....  
(ii) .....

- (c) How can pigs be dangerous to crop production?

43. The diagram below shows a lady helping a victim of an electric shock. Use answer the questions that follows.



- (a) From which one material should part **S** be made of?
- (b) Why is the lady standing on the book?
- (c) What name is given to a situation where one is killed by electricity?
- (d) How can short circuits be prevented during electric installation of a living house?
44. (a) Give **one** way friction is a useful force.
- (b) State any way of increasing friction.
- (c) In which **two** ways can friction be reduced in a wheel barrow?
- (i)
- (ii)

Wrong order.

LIST A		LIST B
(a)	Filtration	Pure alcohol from fermented alcohol
(b)	Decantation	Water and tea leaves
(c)	Distillation	Obtaining salt grains from salt solution
(d)	Evaporation	Obtaining clear water from muddy water

Select from the table the correct sample of mixture for the appropriate method below and write it in the space provided.

- (a) Filtration .....
- (b) Decantation .....
- (c) Distillation .....
- (d) Evaporation .....

46. The following are lists of organism X and Y that belong to different groups. Use them to answer questions that follow.

**X**

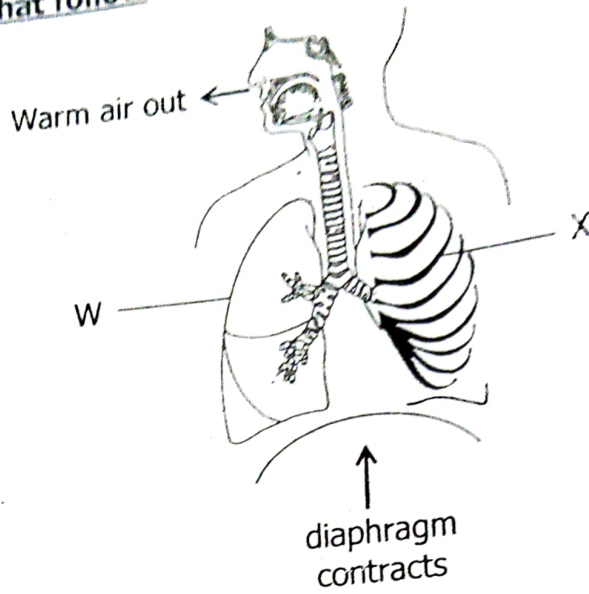
Ferns  
Mosses

**Y**

Toadstools  
Puffballs

- (a) To which group of plants do organisms in X belong?  
.....
- (b) State **one** similarity between organisms in list X with those in list Y.  
.....
- (c) How are organisms in list X different from those in list Y?  
.....
- (d) Mention **one** other organism that can be grouped together with organisms in list Y  
.....

47. The diagram below shows the respiratory system of a man. Use it to answer the questions that follow.



- (a) Name the body organ marked **W**.  
.....
- (b) State what happens to the size of organ **W** during exhalation.  
.....
- (c) State the importance of structures marked **X** to organ **W**.  
.....
- (d) Mention any **one** way tobacco smoking is dangerous to organ marked **W**.  
.....

48. (a) What are renewable resources?  
.....

(b) Give any **one** example of non-renewable resources in the environment.  
.....

(c) Name the energy resource produced by uranium.  
.....

(d) Why is soil regarded as a renewable resource?  
.....



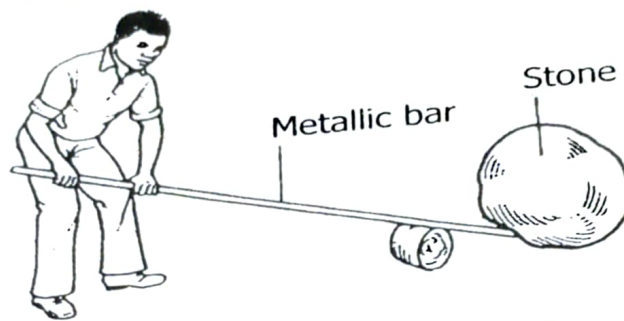
49. (a) Give the difference between frequency and volume of sound.

(b) Give **one** natural source of sound.

(c) How are echoes important in our daily life?

(d) State **one** way wind affects the speed of sound.

50. The diagram shows a boy using a metallic bar to raise a stone. Use it to answer the questions below.



(a) Which class of simple machines is the boy using?

(b) What can he do to lift the stone more easily?

(c) Name the force that slows movement in moving parts of a machine.

(d) How is the force named in (c) useful in our daily life?

51. (a) Give any **two** uses of water in our homes.

(i)

54. (a) What general name is given to the bones of the spine?

(b) State the **two** regions of a human skeleton.

(i)

(ii)

(c) Apart from movement, give any other function of a skeleton to a human being.

55. (a) What is germination?

(b) State any **two** conditions needed by a bean seed to germinate.

(i)

(ii)

(c) How are cotyledons important to a bean seedling after germination?