

# KAYUNGA DISTRICT ACADEMIC BOARD

## PRIMARY SEVEN P.L.E MOCK 2022

### PRIMARY SEVEN INTERGRATED SCIENCE

*Time Allowed: 2 hours 15 minutes*

RANDOM No.

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Candidate's Name: .....

Candidate's Signature: .....

School Name: .....

**Do not open this booklet until you are told to do so.**

**Read the following instruction carefully:**

1. This paper has two Sections: **A** and **B**
2. Section **A** has **40** short 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 spaces provided.
5. All answers must be clearly written using blue ball point Pen or ink. Only diagrams should be drawn in pencils.
6. Unnecessary changes of work may lead to loss of marks.
7. Do not fill in the boxes indicated "For examiner's use only"

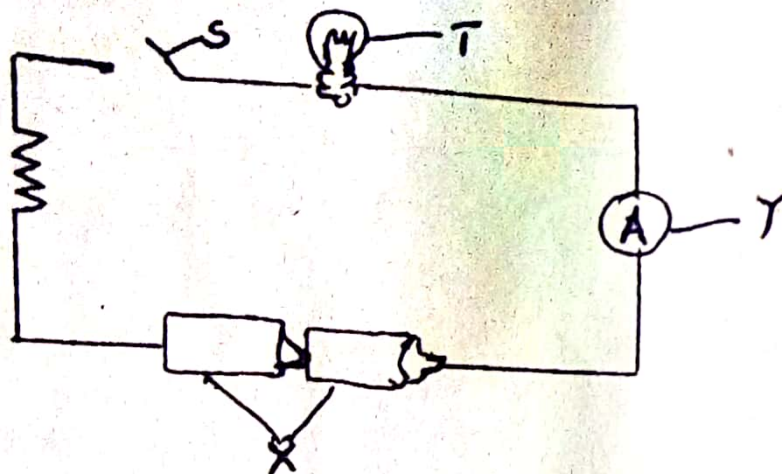
| FOR EXAMINER'S USE ONLY |       |      |
|-------------------------|-------|------|
| Qn. No                  | MARKS | SIGN |
| 01-10                   |       |      |
| 11-20                   |       |      |
| 21-30                   |       |      |
| 31-40                   |       |      |
| 41-50                   |       |      |
| 51                      |       |      |
| 52                      |       |      |
| 53                      |       |      |
| 54                      |       |      |
| 55                      |       |      |
| TOTAL                   |       |      |



### SECTION A (40 Marks)

1. Name the gas that helps during germination.
2. State one effect of polythene papers to the soil.
3. How can infants be protected against tuberculosis?

The diagram below is of a simple electric circuit, use it to answer questions 4 and 5.

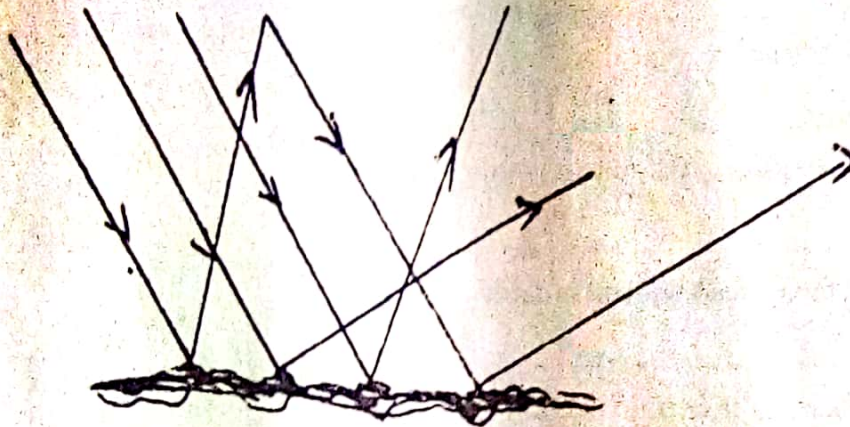


4. Name the part of the electric circuit labeled Y.
5. State the function of part marked S.
6. Which type of immunity does a baby get through breast feeding?
7. How can COVID-19 be prevented at school?
8. Give a reason why tape worm infection causes malnutrition in children.
9. How do bees benefit plants?
10. Why does a nurse shake the clinical thermometer before putting it to a patient?
11. In which way are muscles important in the body?
12. State the importance of keeping our bodies clean.
13. Give the importance of a sickle to a farmer.
14. How is a body mass different from weight?



15. Name one disease that attack both rabbits and poultry.
16. How are bacteria useful in our environment?
17. Why are electric wires not tightly fixed on poles?
18. How does the use of solar energy support environment in Uganda?

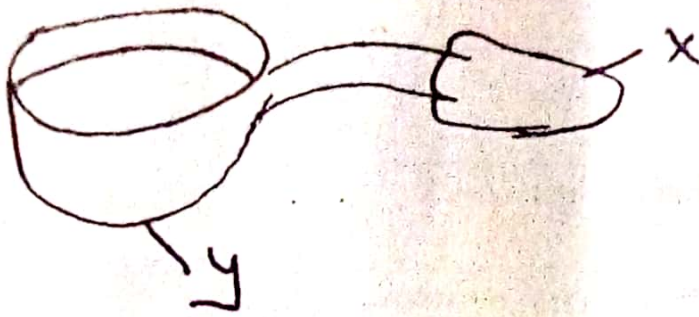
The diagram below shows diffused reflection. Use it to answer question 19.



19. What do such reflections tell you about the reflecting surface?
20. Why are traffic lights put on busy roads?
21. Which type of clouds shows sunny weather?
22. In which way is a forked hoe important to a crop farmer?
23. Why does a bee keeper protect himself while harvesting honey?
24. Write down one secondary sex characteristic which is common in both boys and girls.
25. Name the organ used by people for breathing.
26. Why do farmers in Western Uganda prefer rearing Dairy cattle?
27. Give one reason why is it important to fence a community well?
28. State one advantage of using a VIP latrine over the ordinary pit latrine.
29. Name the addictive drug in tobacco.



The diagram below is of a frying pan. Use it to answer questions 30 and 31.



30. Name the metal used to make part Y.

31. Why is part X made of wood?

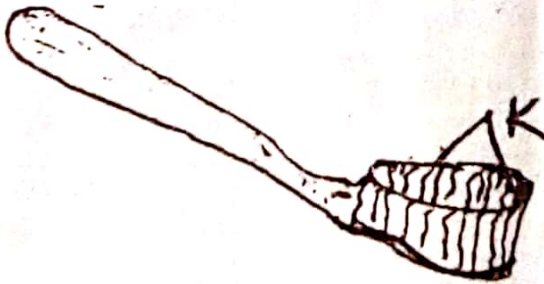
32. Name a part of bean seed that grows into a young plant.

33. How does prolonged breast feeding help in family planning.

34. State any one importance of friction in our daily activities.

35. How are insects and arachnids different in the way they breathe?

The diagram below shows one of the item used when cleaning the teeth. Use it to answer questions 36 and 37.



36. Name the item in the diagram above.

37. State the use of structures marked with letter K during the brushing.

38. State the use of a dust bin at home.

39. Give the difference between a fracture and dislocation.

40. Give one way in which a bird is adapted to flight.



## SECTION B

41 a) Why should we keep our bodies clean?

b) Give any one item used to clean body.

c) State any two activities we can do to keep our bodies clean.

(i)

(ii)

42. a) Name two substances filtered from the blood in the cortex.

(i)

(ii)

b) Identify two substances that are selectively re-absorbed in the medulla.

(i)

(ii)

43. a) Which energy works on cooked starch in the mouth?

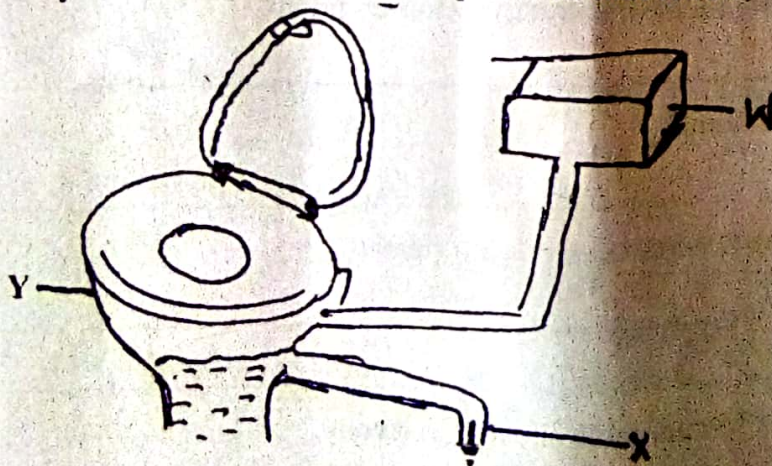
b) Give two reasons why digestion of food is important in the human body.

(i)

(ii)

c) Name one class of food which is not digested.

44. Use the diagram below to answer questions that follow



a) Name parts marked W and Y

W:

Y:

b) Where does pipe x lead its content to?

c) How do the users of the toilet control the sewage system?

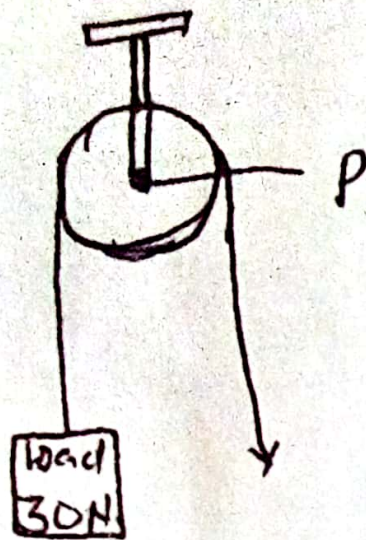


45. a) In which two ways do trees benefits crops growing together in the same garden
- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_
- b) Mention two method of harvesting trees that are friendly to the environment.
- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_
46. Give an example of each of the following types of bones.
- (i) Long bone: \_\_\_\_\_
- (ii) Irregular shaped bone: \_\_\_\_\_
- b) Which mineral salt is responsible for proper growth of bones?
- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_
- c) How is a human skeleton important to a circulatory system?
- \_\_\_\_\_
47. State the difference between a first aid box and a first aid kit.
- \_\_\_\_\_
- \_\_\_\_\_
- b) Write down any two qualities of a good first aider.
- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_
- c) Give any one first aid kit.
- \_\_\_\_\_
48. a) Name one device that changes electric energy to sound energy.
- \_\_\_\_\_
- b) How is electricity useful at home?
- \_\_\_\_\_
- c) Give two reasons why electric wires covered with rubber.
- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_
49. Match the vaccine in X to the immunisable site in Y correctly.
- | <u>List A</u> | <u>List B</u>    |
|---------------|------------------|
| a) Polio      | Right upper arm  |
| b) Covid-19   | Left upper thigh |
| c) BCG        | Left upper arm   |
| d) DPT        | Mouth            |



- (i) Polio
- (ii) Covid-19
- (iii) BCG
- (iv) DPT

9. Study the diagram below and answer the question that follow.



- a) Name the pulley system above.  
\_\_\_\_\_
  - b) State one reason why part P should be lubricated.  
\_\_\_\_\_
  - c) Identify any important activity in a school done by using the pulley system above.  
\_\_\_\_\_
  - d) How much effort is needed to lift the load of 30N.  
\_\_\_\_\_
- a) State any two ways bacteria can be useful in the environment.
    - (i) \_\_\_\_\_
    - (ii) \_\_\_\_\_
  - b) In which two ways can bacteria be harmful to man.
    - (i) \_\_\_\_\_
    - (ii) \_\_\_\_\_
  - a) Give two exotic breeds of chicken kept for egg production.
    - (i) \_\_\_\_\_
    - (ii) \_\_\_\_\_
  - b) Identify any one factor that can lower egg production on a poultry farm.  
\_\_\_\_\_
  - c) How does egg eating control Kwashiorkor in children.  
\_\_\_\_\_



53. a) What is drug prescription?

b) Give two things considered when prescribing drugs.

(i)

(ii)

c) How is drug prescription important to a patient?

54. a) In which state of matter does sound travel fastest?

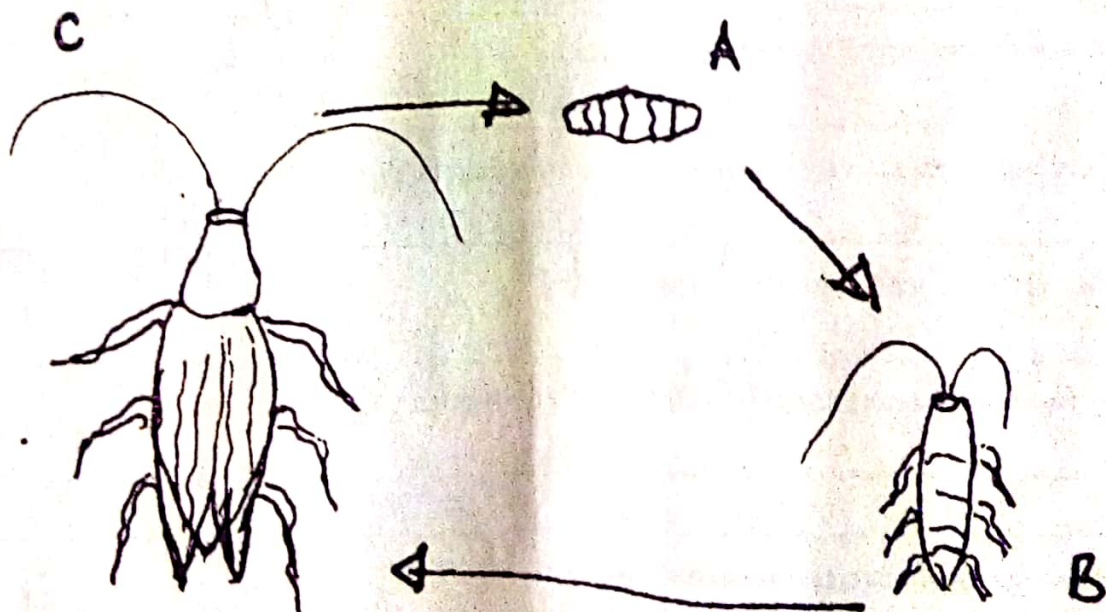
b) Give a reason for your answer in (a) above

c) State the use of echoes to each of the following people.

(i) Pilot:

(ii) Sailor:

55. The illustration below is a life cycle of an insect. Use it to answer question that follow.



a) Name the type of life cycle drawn above.

b) Name the stage marked with letter B.

c) Apart from Cockroaches, give any one other insect that undergo such a life cycle.

d) Why do Cockroaches moult?