



# OUTREACH SCHOOLS EXAMINATIONS BOARD

## P.7 MOCK PREPARATION SET 2 TERM TWO

### SCIENCE

*Time Allowed: 2 hours 15 Minutes*

Index No.

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Candidate's Name: .....

Candidate's Signature: .....

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 crossing of work may lead to loss of marks.
7. Any handwriting that cannot be easily read may lead to loss of marks.
8. Do **not** fill anything in the boxes indicated;  
For Examiner's use only.

#### FOR EXAMINER'S USE ONLY

Qn. No	MARK	SIGN
1 – 10		
11 – 20		
21 – 30		
31 – 40		
41 – 43		
44 – 46		
47 – 49		
50 – 52		
53 – 55		
TOTAL		

*Turn over*

## SECTION A

1. Mention one common accident in our homes.

\_\_\_\_\_

2. State the type of chicken kept purposely for egg production.

\_\_\_\_\_

3. Identify one method of harvesting wood that helps preserve forests.

\_\_\_\_\_

4. Why do you think animals move from one place to another?

\_\_\_\_\_

5. Name one part of a flowering plant that makes up a shoot system.

\_\_\_\_\_

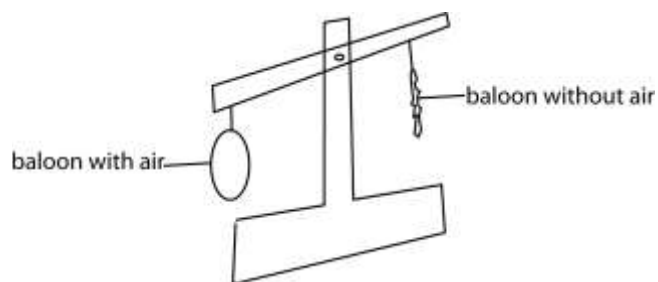
6. Mention one childhood immunisable disease caused by a virus.

\_\_\_\_\_

7. How do we call a place where two or more bones meet in the body of a P.7 candidate?

\_\_\_\_\_

8. What property of air is illustrated in the diagram below?



\_\_\_\_\_

9. Name the part of the eye where images are formed.

\_\_\_\_\_

10. Name the type of a joint in the human body which works like hinges of a door.

\_\_\_\_\_

11. Which form of energy enables our ears to work?

\_\_\_\_\_

12. Which part of a gecko helps it in its adaptation to move on the walls?

\_\_\_\_\_

13. To which type of a simple machine does a knife belong?

\_\_\_\_\_

14. Give the major cause of fainting in human beings.

\_\_\_\_\_

15. In which way is breathing similar to rusting?

\_\_\_\_\_

16. Besides air, water and warmth. State any one other factor responsible for a seed to germinate.

17. Explain what you understand by food path.

18. How are children protected from getting diphtheria?

19. In the space below, draw a compound trifoliate leaf.



20. Why do green plants produce less carbondioxide during the day?

21. What happens to the diaphragm during inspiration?

22. How does bush burning lead to soil erosion?

23. What is the importance of using electricity in our daily life?

24. Apart from capital and land, give any one factor to consider when starting a farm.

25. Give any one example of vulnerable group of people.

26. How does washing our body keep it healthy?

27. Write down any one disorder of the human reproductive system.

28. Give any one reason why cats are kept at home.

29. State the difference between a convalescent and an invalid.

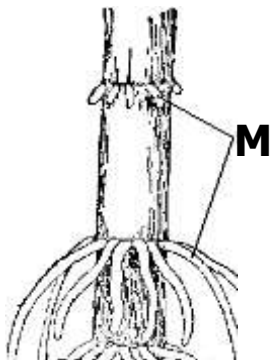
30. Name any one type of seed germination.

31. Give any one way how germs are spread in the environment.

32. State any one type of natural magnets.

33. Apart from flat iron, give any one other appliance or gadget or item used at home that changes electric energy to heat energy.

**The diagram below shows a part of a plant. Use it to answer questions 34.**



34. Name the part marked M.

35. State any one way in which smoking affects the human respiratory system.

36. What happens to matter when heated?

37. Name one cattle disease caused by bacteria

38. Give a reason why sunbirds are able to suck nectar from the bottom of flowers?

39. Which element of Primary Health Care helps pupils to prevent tooth decay?

40. Why is turpid sponging an important first Aid to a person with a high fever?

### **SECTION B**

41. a) Why would you advise your parents or guardians to boil water before drinking it?

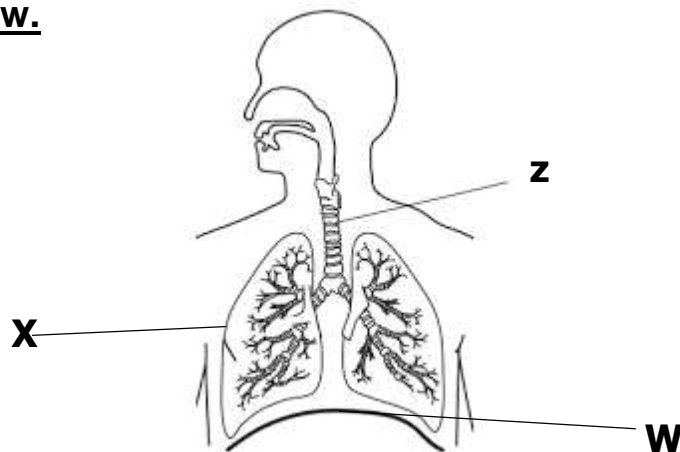
b) Write down any two waterborne disease.

i) \_\_\_\_\_

ii) \_\_\_\_\_

c) In which way can one still fall sick yet they are drinking boiled water?

**42. The diagram below shows a human body. Use it to answer the questions that follow.**



a) Name part marked x and w.

- i) X \_\_\_\_\_
- ii) W \_\_\_\_\_

b) What structures keep part z widely open?

\_\_\_\_\_

c) To which body system does the above diagram belong?

\_\_\_\_\_

**43. Below are immunisable diseases in infants. State the vaccines used to prevent each.**

- i) Polio: \_\_\_\_\_
- ii) Tuberculosis: \_\_\_\_\_
- iii) Diphtheria: \_\_\_\_\_
- iv) Haemophilus Influenza B: \_\_\_\_\_

**44. a) What is a health survey?**

\_\_\_\_\_

b) Mention any two importance of a health survey in an area.

- i) \_\_\_\_\_
- ii) \_\_\_\_\_

c) Why should a person be diagnosed before treatment is given?

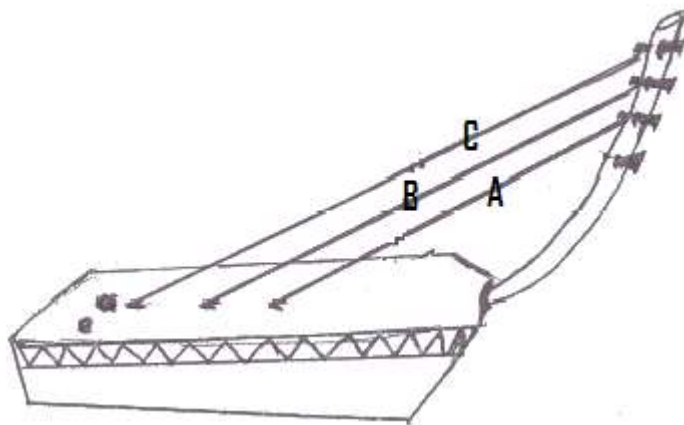
\_\_\_\_\_

**45. a) Change 25°C to Fahrenheit. (2mks)**

b) Why do doctors and nurses shake the clinical thermometer before use?

c) Mention one liquid used in the above mentioned thermometer in (b) above.

**46. The diagram below shows a well-tuned musical instrument. Use it to answer the questions about it.**



a) Which string will produce the highest pitch?

b) Give a reason to your answer in (a) above.

c) Which string will produce the lowest pitch?

d) Give a reason for your answer in (c) above.

**47. a) What is meant by the term “ energy” in relationship to work?**

**b) What kind of energy is possessed by the following objects?**

i) A moving train:

ii) A stationary train:

c) Explain the term mass in relation to matter.

**48. a) Name two breeds of cattle kept in Uganda.**

i) \_\_\_\_\_

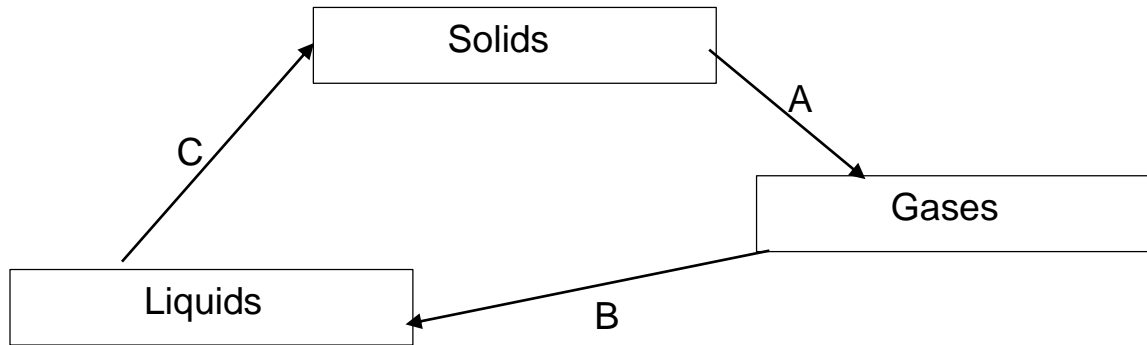
ii) \_\_\_\_\_

b) Give any two diseases that attack rabbits.

i) \_\_\_\_\_

ii) \_\_\_\_\_

**49. The diagram below represents the physical changes in matter. Use it to answer questions that follow.**



a) Name the changes shown by letters marked

A \_\_\_\_\_

B \_\_\_\_\_

C \_\_\_\_\_

b) What form of energy enables changes marked A and C to take place?

\_\_\_\_\_

50. a) Which part of the body system helps in the filtration of blood?

\_\_\_\_\_

b) State the difference between the renal artery and the renal vein of the kidney in their function.

\_\_\_\_\_

c) Write down two functions of the liver in the human body.

i) \_\_\_\_\_

ii) \_\_\_\_\_

51. a) When is the vaccine against tuberculosis administered in babies?

\_\_\_\_\_

b) Give two ways of acquiring immunity.

i) \_\_\_\_\_

ii) \_\_\_\_\_

c) Which communicable disease shows signs and symptoms similar to that of tuberculosis?

\_\_\_\_\_

52. a) Name the digestive juice produced by each of the following.

i) Salivary glands \_\_\_\_\_

ii) Walls of the stomach \_\_\_\_\_

b) Mention any two disorders of the stomach.

i) \_\_\_\_\_

ii) \_\_\_\_\_

53. A man went to the hospital and he was found with HIV and yet his wife is pregnant. The doctor told him to take his wife to be also tested.

a) Why do you think the doctor told him to take his wife for an HIV test?

\_\_\_\_\_

b) Write down three possible ways a person can control the spread of HIV/AIDS.

i) \_\_\_\_\_

ii) \_\_\_\_\_

iii) \_\_\_\_\_

54. a) **Define the following**

i) An apiary:

\_\_\_\_\_

ii) A colony:

\_\_\_\_\_

b) Write down any two reasons why bees swarm.

i) \_\_\_\_\_

ii) \_\_\_\_\_

55. a) What is photosynthesis?

\_\_\_\_\_

b) Point out two factors responsible for photosynthesis to take place.

i) \_\_\_\_\_

ii) \_\_\_\_\_

c) Why can't green plants make their own food at night?

\_\_\_\_\_

**END**