

# DA ELITE EDUCATION CENTRE

## PRE-PLE EXAMINATIONS 2024

### PRIMARY SEVEN

### SCIENCE

Time allowed: 2 Hours 15 Minutes

INDEX NUMBER: \_\_\_\_\_

NAME: \_\_\_\_\_

SCHOOL NAME: \_\_\_\_\_

**DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.**

**READ THE FOLLOWING INSTRUCTIONS CAREFULLY:**

1. This paper has two section: **A** and **B**.
2. Section **A** has **40** short questions (**40marks**)
3. Section **B** has **15** questions (**60 marks**)
4. Attempt all questions in both sections.  
All answers to all questions must be written in the space provided.
5. All answers must be written using **blue** or **black** ball pen or **ink**. Only diagrams and graph work must be done in pencil.
6. Unnecessary **crossing** of work will 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 indicated: **“FOR EXAMINER’S USE ONLY”**

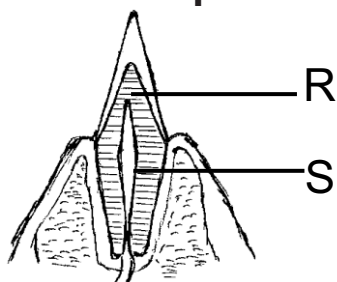
FOR EXAMINERS USE ONLY		
QN. NO.	MARK	INITIALS
1 – 10		
11-20		
21-30		
31-40		
41-43		
44-46		
47-49		
50-52		
53-55		
TOTAL		

**PLEASE TURN OVER**

## SECTION A

1. Name the sense organ for smell in humans.  
\_\_\_\_\_
2. Give any one benefit of proper personal hygiene to an individual.  
\_\_\_\_\_
3. State one way radiation is different from other methods of heat transfer.  
\_\_\_\_\_
4. How does respiration in animals support photosynthesis in plants?  
\_\_\_\_\_
5. Give the characteristic that enables mammals to breast feed their young ones.  
\_\_\_\_\_
6. State any one use of essential drugs.  
\_\_\_\_\_
7. Give one way of preventing the breeding of mosquitoes at home.  
\_\_\_\_\_
8. Name any one facility that helps in the management of rubbish at school.  
\_\_\_\_\_
9. State one way smoking controls the activity of germs on food.  
\_\_\_\_\_
10. Name the food value got from body building food.  
\_\_\_\_\_

The diagram below shows some parts of a canine tooth. Study it and answer the questions 11 and 12.



11. Name Part **R**.  
\_\_\_\_\_

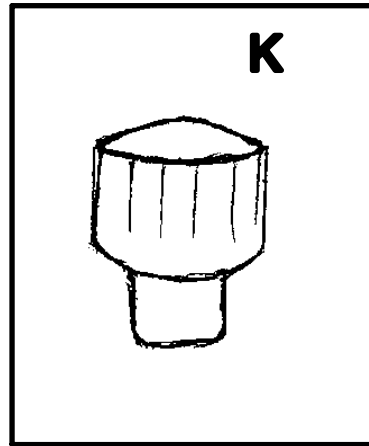
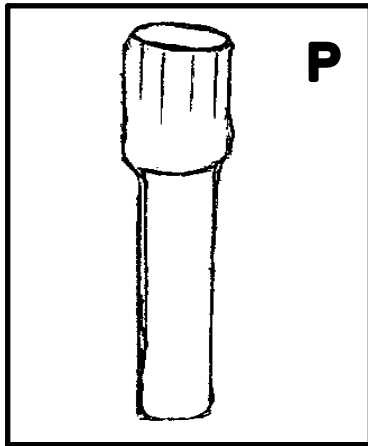
12. Give one reason why part **S** is more sensitive than other parts of the tooth.  
\_\_\_\_\_
13. How do fungi differ from plants in terms of feeding?  
\_\_\_\_\_
14. State one advantage of mulching during dry season.  
\_\_\_\_\_
15. Give any one use of wedges to a crop farmers.  
\_\_\_\_\_
16. How can the immunity against Covid 19 be boosted?  
\_\_\_\_\_
17. Give a reason why undigested food is not absorbed in the ileum.  
\_\_\_\_\_

18. Name the method used to obtain alcohol from a mixture.

19. State one role of bees in the reproduction process of flowering plants.

20. Give any one importance of gravitational force to man.

The diagram below shows two drums. Study them and answer question 21 and 22.



21. Which of the two drums, will produce the highest pitch when struck?

22. Give any one reason why the above drums cannot produce the same pitch.

23. Give any one use of water in giving first aid.

24. Name the component of soil formed from mulches.

25. Give any one advantages of using garden tools in carrying out garden activities.

26. Give one way of keeping our selves free from deficiency diseases.

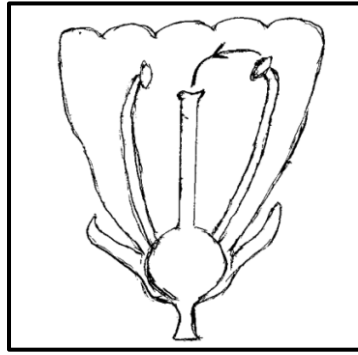
27. What causes noise in the moving parts of a simple machine?

28. Mention any one examples of wood fuel.

29. State any one way crops benefit from trees when planted together.

30. Name the type of soil erosion where top soil is uniformly carried away.

The diagram below shows a process in flowering plants. Study it and answer the questions 31 and 32.



31. Name process shown in the diagram.

32. What does the arrow represent in the diagram.

33. How does the feeding of hook worms affect the circulatory system.

34. Give one use of a Cobweb to a spider.

35. State one characteristic of current produced by a dry cell.

36. Name the form of energy responsible for physical changes in water.

37. How does camouflaging help a chameleon to get food?

38. State any one way a mother benefits from prolonged breast feeding.

39. Why is a casualty taken to hospital even after getting first aid?

40. Give one way of improving the resistance of exotic breeds towards diseases.

### SECTION B.

41a) Apart from veins, give two other types blood vessels.

i)

ii)

b) Explain how veins are adapted to carrying blood with low pressure.

(2marks)

42a) Name the term used to mean the propagation of plants without the use of seeds or spores.

b) Mention two ways how crops can be propagated without the use of seeds or spores.

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

c) Give one advantage of propagating crops without using seeds.

43a) Write **PHC** in full.

b) Name the element of **PHC** promoted through:-

i) Brushing teeth.

ii) Breast feeding

(C) State any one principal of PHC.

44a) Apart from sunny, name any one other type of weather.

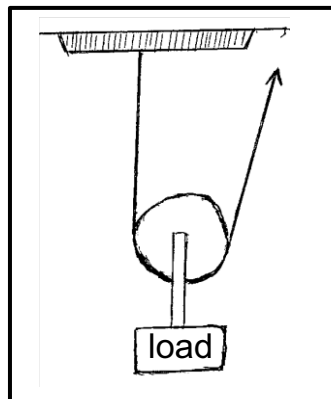
b) Give the use of each of the following in weather forecasting ;-

i) Hygrometer

ii) Anemometer

c) State one way people manage sunny weather.

45. The diagram below shows a pulley system. Study it and answer the questions that follow.



a) Name the pulley system shown in the diagram.

b) What is the mechanical advantage of the above pulley system.

c) Calculate the effort required to lift the load of 100kgf. (2marks)

46a) Give any two results of poor waste management in the community.

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

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

b) State any two safe methods of managing wastes after collecting.

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

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

47a) Name the main disease controlled by the PIASCY messages.

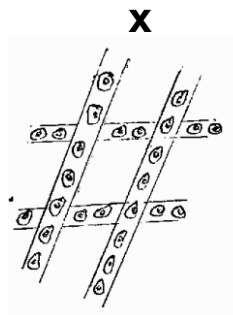
b) Write any two examples of PIASCY messages.

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

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

c) Give one reason why adolescents need more counseling and guidance than other age groups.

**48. The diagrams below show eggs of two amphibians. Study them and answer the questions that follow.**



a) Name the amphibian that lays each of the eggs **x** and **y**.

i) **x** \_\_\_\_\_

ii) **y** \_\_\_\_\_

b) How are the above eggs able to stay safe in water?

\_\_\_\_\_

c) What do the above eggs develop into after hatching?

\_\_\_\_\_

49a) Give two ways how prepared food gets unsafe for eating.

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

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

b) State any two dangers of eating contaminated food.

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

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



50a) Give two importance of body exercise to an individual.

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

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

b) State one effect of too much body exercise.

\_\_\_\_\_

c) Why should one rest after a heavy exercise.

\_\_\_\_\_

**51. The list below shows some of the items needed to form a simple electric circuit. Study it and answer the questions that follow.**

Bulb, Dry cell, switch, fuse

a) Name any one missing item on the list.

\_\_\_\_\_

b) Give the function of:-

i) Switch.

\_\_\_\_\_

ii) dry cell

\_\_\_\_\_

c) State the energy change that takes place in the bulb when the circuit is complete.

\_\_\_\_\_

52a) What is transpiration?

\_\_\_\_\_

\_\_\_\_\_

(b) Give two importance of transpiration to plants

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

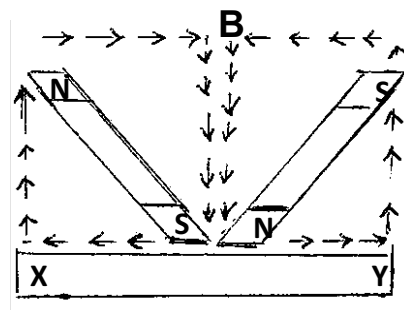
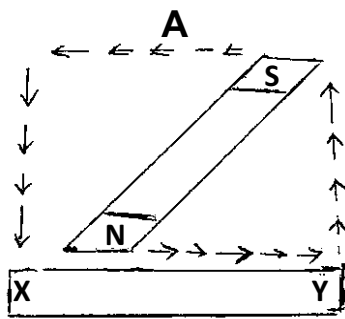
(ii) \_\_\_\_\_

c) State one danger of excessive transpiration in plants.

\_\_\_\_\_



**53. The diagrams below show two stroking methods of magnetization. Study them and answer the questions that follow.**



a) Name the methods of stroking **A** and **B**.

ii) **A** \_\_\_\_\_

ii) **B** \_\_\_\_\_

b) Which pole will **X** become after stroking.

c) Why would one prefer stroking using method **B**.

54. The list below shows some of the requirements that a school environment club would need to start a wood at project. Study it and answer the questions that follow.

Capital, labour, Management skills

a) Name any one missing requirements.

b) Give any two uses of capital.

c) State any one way the school community will benefit from the woodlot project when it starts.

5a) Where in the human reproductive system does each of the following take place.

i) Fertilisation: \_\_\_\_\_

ii) Implantation: \_\_\_\_\_

b) What name is given to the period between fertilization and birth.

c) Give one way a mother can ensure proper and health growth of the foetus.



**\*\*END\*\***